



REPORT OF THE
**Hydro-Electric Power
Commission**
OF ONTARIO
1935

WILLS MACLACHLAN


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POWER FOR MINING IN NORTHERN ONTARIO

Ear Falls Hydro-Electric Development; Constructed by the Commission below the outlet of Lac Seul on the English River. Present installation 5,000 horsepower; ultimate capacity of site 30,000 horsepower. Transmission line to Red Lake shown in the upper part of the picture

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Ontario Hydro-Electric
Power Commission

(TWENTY-EIGHTH) ANNUAL REPORT

OF

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

FOR THE YEAR ENDED OCTOBER 31st

1935



ONTARIO

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THE LEGISLATIVE ASSEMBLY OF ONTARIO

TORONTO

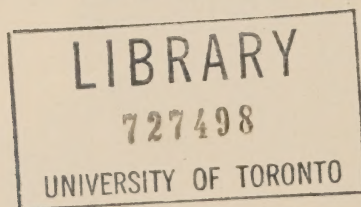
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1936

THE HYDRO-ELECTRIC POWER COMMISSION
OF ONTARIO
1935

T. STEWART LYON.....*Chairman*
HON. ARTHUR W. ROEBUCK, K.C., M.L.A.....*Commissioner*
HON. THOMAS B. McQUESTEN, K.C., M.L.A.....*Commissioner*
W. W. POPE.....*Secretary*
A. MURRAY McCRIMMON.....*Assistant Secretary and Controller*

Chief Engineers

T. H. HOGG, B.A.Sc., C.E., D.ENG.....*Hydraulic and Operation*
R. T. JEFFERY, B.Sc.....*Municipal Relations and Rural Power*



To His Honour

THE HONOURABLE HERBERT A. BRUCE, R.A.M.C., M.D., F.R.C.S.,
Lieutenant-Governor of Ontario

MAY IT PLEASE YOUR HONOUR:

The undersigned respectfully presents the Twenty-Eighth Annual Report of The Hydro-Electric Power Commission of Ontario for the fiscal year which ended October 31, 1935, together with financial statements and statistical data for the calendar year 1935 relating to the municipal electric utilities operating in conjunction with the various systems of the Commission for the supply of electrical service to the citizens of the Province.

The report contains a record of the Commission's activities in administration, construction and operation, and financial statements for the year ending October 31, 1935.

The Commission administers as trustee for the people of Ontario, under the Legislative Assembly and the Executive Council, power developments in Northern Ontario, owned by the Province. These are operated by the Commission under an agreement by which deficits incurred in operation are provided from the Provincial Treasury and surplus funds remaining from operations, after provision is made for interest, renewals and sinking fund upon the capital employed, will be transferred to the Treasury.

The various statements presented provide a comprehensive survey of the Commission's operations. For the information of Your Honour and the Members of the Legislature, comparative statements have been compiled, showing for the several systems, during the past seven years, the total cost of power supplied to the co-operating municipalities and to other consumers of each system, including the cost of power purchased under contract for each system, together with the revenues of each and additions calling for capital expenditures made thereto during the period under review.

Capital Expenditures

It will be seen, for example, that the capital investment in the Niagara system, which was \$168,004,159 in 1929, has grown through the acquisition of privately owned power plants and new construction, particularly of the Chats Falls development and of rural lines, to \$210,332,868 in 1935. This increase of capital has been accompanied, since 1932, by a decrease in the annual interest charges and payments on exchange, upon capital advanced by investors in the United States and the United Kingdom. The net interest and exchange charge of 1932 upon the then total capital investment in the Niagara system of

\$207,977,388, totalled \$10,691,491. During the past year the net interest and exchange upon \$210,332,868 totalled \$9,891,871. There were only nominal payments under the heading, "exchange."

Operation Costs Reduced

Continuous efforts have been made throughout the year to reduce running expenses. The result is that for operation, maintenance and administration in the Niagara system, the cost last year was the lowest since 1929. The total outlay under these headings was \$4,378,261 in 1935, which compares very favourably with \$4,711,607 spent on operation, maintenance and administration in 1929, when the power revenue totalled \$21,664,808. In 1935 the Niagara system revenue totalled \$23,292,490. The highest annual cost of operation, maintenance and administration shown in the tables accompanying this report was in 1931, when \$5,653,006 was spent under that head. It will thus be seen that in the four intervening years, operation, maintenance and administration costs have been reduced to the extent of \$1,274,745; a reduction accomplished without any sacrifice in the efficiency of the Commission's plants in the Niagara system.

In the Georgian Bay system the operation, maintenance and administration costs, during 1935, were \$384,446. As recently as 1932 they had been \$483,137. In this case the reduction was over twenty per cent as compared to the cost in 1932.

Corresponding reductions in operation, maintenance and administration costs have been made in other systems, particularly Eastern Ontario, where the aggregate under these headings had risen in 1931 to \$981,514, but was reduced during the year ending October 31, 1935, to \$719,353, which reduction is equal to almost ten per cent of the total cost of power to the Eastern Ontario system—including all capital charges—for 1935. In the Thunder Bay system during 1935 the operation, maintenance and administration costs showed a slight increase but totalled almost the same as those of 1930, before the depression had reduced the volume of power sales.

Expansion in the North

Figures are presented in the following tables showing the distribution of primary and secondary power in all systems. The most marked change in recent years continues to be the rapid increase in the use of electrical energy in the gold fields of Northern Ontario. The chief expenditure of capital during the coming year will be for the extension of transmission lines in the Abitibi-Sudbury region, and for the addition of a generating unit to the Rat Rapids plant in Northwestern Ontario. These expenditures are so financed that amortization of the capital invested will be completed well within the estimated life of the mines served.

A Slow Recovery

It will be observed from the table showing the distribution of primary power to all systems in the period 1929-1935, especially in the old established Niagara system, that progress out of the depression is somewhat slow, but has proceeded steadily since 1931. The December peak load in 1935 was 932,708 horsepower as compared with the lowest point of the depression—

December 1931—when the load was 828,200 horsepower. At the peak of the industrial expansion in 1929, the December load was 969,123 horsepower in the Niagara system, so that in the intervening six years the system has not quite reached the maximum of power consumption before the breaking of the boom. This slow recovery of the power load has had a very serious effect upon the Niagara system's financial position.

The Quebec Contracts

Provision was made in 1929-1930 for additional power, totalling 471,000 horsepower, to be supplied by Quebec contractors. The Commission was at that time under contract to take for a thirty-year term 260,000 horsepower of 25-cycle energy from the Gatineau Power Company. At no time since the contracts of 1929-1930 were made has there been need to call for more power from the Quebec contractors than could have been supplied by the Gatineau Power Company. For this unused and unusable power, the Commission has been paying an annually increasing power bill which for the year 1929 totalled \$1,638,516, and which had increased as at October 31, 1935 to \$8,232,968. Had the contracts remained in force the payment to the four Quebec contractors in the year beginning November 1, 1936, would have totalled \$10,965,000 on a tendered contract supply of 731,000 horsepower.

The Annual Withdrawals

The inevitable result of payment for this great quantity of unused energy has been a series of deficits in the earnings of the Commission, which have rendered necessary the withdrawal from the contingencies reserve of the Niagara system during the past four years of the following sums:—

1932.....	\$2,544,648
1933.....	4,236,606
1934.....	2,869,828
1935.....	2,878,831

Legislative Action

Confronted with this drain upon its resources which, if continued, would inevitably exhaust the contingencies reserve and bring about unbearable increases in the cost of power throughout the Niagara system, the Commission sought the aid of the Legislative Assembly in finding a remedy. On February 28 and March 1 and 2, 1935, the Honourable the Attorney-General, speaking for the Commission, in the House, during a complete presentation of the facts concerning the making of the contracts expressed the opinion that they were not only "outrageous and inequitable" but "illegal and unenforceable"; beyond the legal capacities of Ontario and Quebec, involving as they did the construction of works and undertakings which connected one Province with another or extended beyond the limits of a Province. This, Mr. Roebuck held to be a matter of Dominion jurisdiction. The contracting companies and The Hydro-Electric Power Commission were Provincial creations and the creatures of provincial authority could not do what the Legislatures themselves could not do.

The Prime Minister on April 1 introduced a measure, under the title: "An Act to declare the law with respect to The Hydro-Electric Power Commission of Ontario and with respect to certain invalid contracts." This Act—*The Power Commission Act of 1935*—provides that—

The said contracts, as hereinafter set forth, are hereby declared to be and always to have been illegal, void and unenforceable as against The Hydro-Electric Power Commission of Ontario, such contracts being as follows:

- (a) Between the said Commission and Gatineau Power Company, five contracts bearing date the 19th day of May, 1926, and one contract bearing date the 27th day of July, 1926, set out in Schedule "A," hereto;
- (b) Between the said Commission and Gatineau Power Company, two contracts bearing date the 28th day of December, 1927, set out in Schedule "B" hereto;
- (c) Between the said Commission and Beauharnois Light, Heat and Power Company, one contract bearing date the 29th day of November, 1929, set out in Schedule "C" hereto;
- (d) Between the said Commission and Chats Falls Power Company, also known as Ottawa Valley Power Company, one contract dated the 15th day of February, 1930, and one contract dated the 24th day of February, 1931, known respectively as the "Power Contract" and the "Operating Contract," set out in Schedule "D" hereto;
- (e) Between the said Commission and James McLaren Company, Limited, one contract dated the 20th day of December, 1930, and one contract dated the 14th day of January, 1931, set out in Schedule "E" hereto.

No action or other proceeding shall be brought, maintained or proceeded with against the said Commission founded upon any contract by this Act declared to be void and unenforceable, or arising out of the performance or non-performance of any of the terms of the said contracts.

The said Commission may from time to time pay for such power as it deems advisable, and may, with the approval of the Lieutenant-Governor in Council enter into contracts therefor, and may distribute the cost thereof and all proper charges incidental thereto as determined by it among such municipalities and in such proportions as it may deem equitable, and all distribution as to such costs and charges for power heretofore purchased are validated and confirmed.

The powers by this Act conferred on the said Commission shall be supplementary to the powers conferred on the said Commission by any other Statute.

This Act shall come into force on a day to be named by the Lieutenant-Governor by his Proclamation.

Proclamation of the Act

Estimates were made by the officers of The Hydro-Electric Power Commission and experts called into consultation as to the power requirements of the Commission for some time to come. It became evident that any increase of the demand for power, which might be expected within a reasonable period, would not warrant the Commission in continuing to take the quantities required to be taken under the contracts.

On October 18, 1935, the Commission met and adopted this recommendation:

"The Hydro-Electric Power Commission of Ontario recommends that "The Power Commission Act of 1935 be forthwith proclaimed. The Commission "advises that it is in a position to carry on its operations and give all essential "services to the power and light users of the Province without dependence on "power supplied under the agreements mentioned in the said Act."

This recommendation followed upon action taken on June 5, when the MacLaren-Quebec Power Company was notified that the Commission would not accept or pay for an addition, as of July 1, of 27,000 horsepower to its then existing supply of 40,000 horsepower from that company; and upon similar action taken on September 21, when the Gatineau Power Company was notified of the refusal of the Commission to accept an addition, as of October 1, of 6,000 horsepower to the 42,000 horsepower then supplied to the Eastern Ontario system by that company. The Beauharnois Light, Heat & Power Company was also notified that the Commission would not accept or pay for an addition of 67,000 horsepower to the 129,000 horsepower then being supplied by that company, which addition, the contract provided, should be taken by the Commission on October 1, 1935.

The Act was proclaimed on December 6, 1935, after the close of the fiscal year with which this Report deals.

Sinking Fund Maintained

The addition to the sinking fund during the past year, including interest earned, totalled \$3,074,571. The Niagara system sinking fund now stands at \$30,613,933. The renewals fund totals \$23,274,339; the addition during the year having been \$2,310,414, including \$838,469 of interest earned on invested renewals reserve.

The other systems—Eastern Ontario, Georgian Bay and Thunder Bay, are in excellent financial condition. Almost invariably the thirteenth bill to the municipalities in these systems has shown credits, and rebates have been made totalling substantial sums. The net credit balance to the municipalities of the Georgian Bay system for the year ending October 31, 1935, was \$95,423; the largest total during the past seven years. In the Eastern Ontario system the net credit balance to the municipalities in 1935 was \$244,223, as compared with \$2,249 in 1933. In the Thunder Bay system, the net credit balance on the year's operations was \$2,770. There had been no prior net credit since 1930, and in 1932 the large amount of \$126,686 was charged against the municipalities of that system, over and above the amount of the interim monthly power bills.

DISTRIBUTION OF PRIMARY POWER TO SYSTEMS

20-MINUTE PEAK HORSEPOWER—SYSTEM COINCIDENT PRIMARY PEAKS

System	1929	1930	1931	1932	1933	1934	1935
October							
Niagara system, 25-cycle....	931,261	879,518	805,630	839,946	848,793	856,434	875,067
Dominion Power & Trans.....		58,579	48,659	43,968	45,710	50,670	54,155
Georgian Bay system.....	22,118	23,355	26,356	25,666	23,887	24,488	27,534
Eastern Ontario system.....	82,299	87,990	85,857	80,544	86,890	91,716	103,559
Thunder Bay system.....	77,117	73,968	51,600	58,140	66,187	60,188	66,823
Manitoulin rural power dist.....					80	88	114
Northern Ont. properties:							
Nipissing district.....	3,599	3,745	3,689	3,751	3,539	3,840	3,921
Sudbury district.....		12,935	10,724	7,574	12,466	12,466	13,070
Abitibi district.....			17,800	11,340	15,777	31,501	43,731
Espanola district.....						509	547
Patricia district.....		1,582	1,912	2,048	2,627	2,828	3,512
St. Joseph district.....							1,314
Total.....	1,116,394	1,141,672	1,052,227	1,072,977	1,105,956	1,134,728	1,193,347
December							
Niagara system, 25-cycle....	969,123	902,392	828,200	838,338	879,893	901,877	932,708
Dominion Power & Trans.....		61,523	56,166	48,525	51,743	54,021	56,032
Georgian Bay system.....	22,961	25,591	27,531	26,424	25,496	26,816	27,466
Eastern Ontario system.....	90,255	93,560	91,253	86,716	91,924	96,783	107,185
Thunder Bay system.....	64,588	61,300	50,300	55,570	54,704	69,658	65,181
Manitoulin rural power dist.....					84	108	134
Northern Ont. properties:							
Nipissing district.....	3,492	3,654	4,088	3,799	3,901	4,008	4,095
Sudbury district.....		10,724	11,059	9,853	12,802	13,003	14,008
Abitibi district.....			13,000	13,000	14,745	32,842	57,357
Espanola district.....						535	533
Patricia district.....		1,521	1,926	2,058	2,735	2,855	3,512
St. Joseph district.....							1,394
Total.....	1,150,419	1,160,270	1,083,523	1,084,283	1,138,027	1,202,506	1,269,605

NOTE.—The above figures represent primary loads, and are strictly comparable from year to year. The figures which have appeared in this table in former years have expressed total loads on the basis in use at the time; for example, on page viii of the 1930 report, the October 1930 load is shown as 1,000,670 horsepower. In addition to the primary load of 879,518 it contained at-will export 113,592 horsepower and a transfer to the Georgian Bay system amounting to 7,560 horsepower. While the latter is a primary obligation upon the Niagara system so far as generating resources go, it does not represent Niagara system load and as this load is included in the Georgian Bay system figures it must be excluded from those of the Niagara system. The correction has been made in all subsequent years.

Declining Interest Payments

May I direct Your Honour's attention to the important factor of declining interest payments in the reduction of the cost of power to the people of the Niagara and other systems. The bulk of the capital invested in the Queenston-Chippawa plant, totalling over \$76,000,000, will fall due within the next seven years. The major part of the loans issued by the Province on the Commission's requisitions for this plant bear interest at the rate of six per cent. It is estimated that up to 1943, \$60,000,000 of these loans will have fallen due, and it is expected that the average rate of interest on the refunding issues will be considerably reduced.

DISTRIBUTION OF POWER TO SYSTEMS—TOTAL PRIMARY AND SECONDARY
20-MINUTE PEAK HORSEPOWER—SYSTEM COINCIDENT PEAKS

System	1929	1930	1931	1932	1933	1934	1935
October							
Niagara system, 25-cycle.....	948,412	1,038,110	860,630	867,446	1,055,697	1,071,046	1,177,346
Dominion Power & Trans.....		58,579	48,659	43,968	45,710	50,670	54,155
Georgian Bay system.....	22,118	23,355	26,356	25,666	23,887	24,488	27,534
Eastern Ontario system.....	82,299	87,990	85,857	80,544	86,890	121,823	133,733
Thunder Bay system.....	77,117	73,968	51,600	65,700	90,450	99,866	113,673
Manitoulin rural power dist.....					80	88	114
Northern Ont. properties:							
Nipissing district.....	3,599	3,745	3,689	3,751	3,539	3,840	3,921
Sudbury district.....		12,935	10,724	7,574	12,466	12,466	13,070
Abitibi district.....			17,800	11,340	45,389	64,075	96,814
Espanola district.....						509	547
Patricia district.....		1,582	1,912	2,048	2,627	2,828	3,512
St. Joseph district.....							1,314
Total.....	1,133,545	1,300,264	1,107,227	1,108,037	1,366,735	1,451,699	1,625,733
December							
Niagara system, 25-cycle.....	969,123	1,073,400	883,200	838,338	1,134,262	1,150,938	1,080,697
Dominion Power & Trans.....		61,528	56,166	48,525	51,743	54,021	56,032
Georgian Bay system.....	22,961	25,591	27,531	26,424	25,496	26,816	27,466
Eastern Ontario system.....	90,255	93,560	91,253	86,716	116,127	127,849	124,873
Thunder Bay system.....	64,588	61,300	50,300	63,800	120,000	122,922	125,201
Manitoulin rural power dist.....					84	108	134
Northern Ont. properties:							
Nipissing district.....	3,492	3,654	4,088	3,799	3,901	4,008	4,095
Sudbury district.....		10,724	11,059	9,853	12,802	13,003	14,008
Abitibi district.....			13,000	13,000	46,890	93,029	138,390
Espanola district.....						535	533
Patricia district.....		1,521	1,926	2,058	2,735	2,855	3,512
St. Joseph district.....							1,394
Total.....	1,150,419	1,331,278	1,138,523	1,092,513	1,514,040	1,596,084	1,576,335

NOTE.—In some instances the above figures differ slightly from those appearing in former Annual Reports. Corrections have been made for the transfer of power between the Niagara and Georgian Bay systems, inclusion in the Niagara system of Gatineau resale, and, in the earlier years, using system coincident peaks instead of the sum of the district peaks for the Eastern Ontario system and showing Sudbury and Abitibi as separate districts.

Refunding Provisions

During the year under review arrangements were made with the Treasury department of the Government by which requirements of new capital and refunding of Provincial loans issued originally for the purpose of financing construction works of The Hydro-Electric Power Commission will in future be financed by bonds of the Commission guaranteed by the Province, instead of as heretofore by bonds shown in the Public Accounts as a direct liability of the Province. The chief advantage of this change in the method of financing new construction and refunding of existing issues is the separation of debt for revenue producing assets to the extent of \$185,000,000—representing money advanced by the Province for Hydro-Electric Power Commission purposes—from other liabilities of the Province. The word “debt” is not properly applic-

(Continued on page xvi)

COMPARATIVE FINANCIAL STATEMENTS

NIAGARA

Year.....	1929	1930
	\$ c.	\$ c.
CAPITAL INVESTMENT.....	168,004,159.13	199,799,252.77
Power purchased.....	1,638,516.84	2,644,916.07
Operation, maintenance and administration.....	4,711,607.15	5,606,062.59
Interest.....	8,095,444.48	8,980,374.58
Provision for renewals.....	1,127,242.22	1,606,458.27
Provision for contingencies, etc.....	3,117,605.94	2,893,784.93
Sinking fund.....	1,738,183.90	1,794,591.02
TOTAL COST OF POWER.....	20,428,600.53	23,526,187.46
Less:		
Amount appropriated from the contingencies reserve of the system and applied in reduction of the cost of power.....		
Net total.....	20,428,600.53	23,526,187.46
REVENUE from municipalities at interim rates, from rural consumers and from private customers under flat rate contracts.....	21,664,808.55	24,467,322.68
Net balance credited or charged to municipalities under cost contracts.....	1,236,208.02 Credited	941,135.22 Credited

GEORGIAN BAY

Year.....	1929	1930
	\$ c.	\$ c.
CAPITAL INVESTMENT.....	6,310,034.95	7,940,666.96
Power purchased.....	32,245.28	53,201.27
Operation, maintenance and administration.....	313,246.50	360,061.28
Interest.....	255,110.13	299,428.66
Provision for renewals.....	78,574.72	92,375.30
Provision for contingencies, etc.....	52,462.33	35,695.22
Sinking fund.....	59,641.34	69,344.10
TOTAL COST OF POWER.....	791,280.30	910,105.83
REVENUE from municipalities at interim rates, from rural consumers and from private customers under flat rate contracts.....	873,568.95	926,692.34
Net balance credited or charged to municipalities under cost contracts.....	82,288.65 Credited	16,586.51 Credited

RESPECTING THE SYSTEMS OF THE COMMISSION

SYSTEM

1931	1932	1933	1934	1935
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
208,501,899.28	207,977,388.63	208,143,427.49	208,626,540.68	210,332,868.06
3,979,524.00	5,513,435.12	6,738,406.63	6,872,793.14	8,232,968.05
5,653,006.77	4,893,571.40	4,800,173.78	4,821,848.99	4,378,261.93
9,502,526.86	10,691,491.55	10,445,990.16	10,138,022.77	9,891,871.69
1,391,105.25	1,579,701.50	1,628,176.44	1,627,164.82	1,633,187.66
617,820.29	118,462.65	125,698.79	129,514.12	133,744.87
1,872,727.14	1,977,928.39	1,883,199.99	1,987,207.74	1,973,389.31
23,016,710.31	24,774,590.61	25,621,645.79	25,576,551.58	26,243,423.51
.....	2,544,648.63	4,236,606.73	2,869,828.36	2,878,831.21
23,016,710.31	22,229,941.98	21,385,039.06	22,706,723.22	23,364,592.30
23,752,132.85	22,459,448.97	21,096,722.06	22,543,780.63	23,292,490.97
735,422.54 Credited	229,506.99 Credited	288,317.00 Charged	162,942.59 Charged	72,101.33 Charged

SYSTEM

1931	1932	1933	1934	1935
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
8,203,445.46	8,329,025.78	8,394,645.25	8,427,278.77	8,478,201.80
64,410.77	18,810.77	27,316.52	43,832.70	39,281.63
438,941.70	483,137.12	440,008.76	409,286.71	384,446.80
356,655.71	412,557.36	396,690.67	380,745.19	371,615.62
121,800.88	124,737.66	128,111.66	129,844.11	131,083.26
47,827.76	54,229.21	57,148.73	43,570.17	44,390.15
83,789.13	86,698.15	87,826.94	88,348.64	88,746.21
1,113,425.95	1,180,170.27	1,137,103.28	1,095,627.52	1,059,563.67
1,050,823.94	1,161,831.25	1,163,135.32	1,181,960.85	1,154,986.69
62,602.01 Charged	18,339.02 Charged	26,032.04 Credited	86,333.33 Credited	95,423.02 Credited

COMPARATIVE FINANCIAL STATEMENTS

EASTERN ONTARIO

Year.....	1929	1930
	\$ c.	\$ c.
CAPITAL INVESTMENT.....	20,447,230.08	20,917,182.90
Power purchased.....	440,595.40	522,732.86
Operation, maintenance and administration.....	932,194.87	934,766.36
Interest.....	810,478.17	913,872.57
Provision for renewals.....	196,129.59	214,924.91
Provision for contingencies.....	260,564.74	115,160.41
Sinking fund.....	151,030.71	158,835.47
TOTAL COST OF POWER.....	2,790,993.48	2,860,292.58
Appropriated from contingencies reserve to cover shortage on operation of local distribution systems.....		
Net total.....	2,790,993.48	2,860,292.58
REVENUE from municipalities at interim rates, from rural consumers and from private customers under flat rate contracts.....	3,025,908.37	3,051,987.02
Excess revenue over cost of power.....	234,914.89	191,694.44
Profit from sale of power to companies and/or local distribution systems, transferred to contingencies reserve.....	148,980.44	117,244.91
Net balance credited to municipalities under cost contracts.....	85,934.45	74,449.53

THUNDER BAY

Year.....	1929	1930
	\$ c.	\$ c.
CAPITAL INVESTMENT.....	15,325,411.00	17,645,796.31
Power purchased.....	3,161.50	474.00
Operation, maintenance and administration.....	191,903.99	225,693.87
Interest.....	662,675.66	655,340.84
Provision for renewals.....	109,200.41	112,798.56
Provision for contingencies, etc.....	332,981.76	346,252.43
Sinking fund.....	132,343.09	137,011.32
TOTAL COST OF POWER.....	1,432,266.41	1,477,571.02
Amount appropriated from contingencies reserve of the system and applied in reduction of the cost of power.....		
Net total.....	1,432,266.41	1,477,571.02
REVENUE from municipalities at interim rates, from rural consumers and from private customers under flat rate contracts.....	1,454,080.66	1,481,978.47
Net balance credited or charged to municipalities under cost contracts.....	21,814.25 Credited	4,407.45 Credited

RESPECTING THE SYSTEMS OF THE COMMISSION
SYSTEM

1931	1932	1933	1934	1935
\$ c. 21,570,767.11	\$ c. 21,060,823.96	\$ c. 19,372,833.44	\$ c. 19,851,622.12	\$ c. 20,096,487.78
637,903.94	698,627.59	771,050.62	833,980.26	849,295.63
981,514.88	918,978.04	761,603.57	724,389.50	719,353.15
938,745.56	968,995.87	894,253.67	913,406.78	848,533.52
241,193.70	248,330.65	227,793.09	242,903.39	250,839.49
110,668.22	119,387.64	83,188.62	84,924.08	86,456.30
167,272.84	171,432.37	173,029.78	174,813.02	184,228.67
3,077,299.14	3,125,752.16	2,916,919.35	2,974,417.03	2,938,706.76
			115.28	
3,077,299.14	3,125,752.16	2,916,919.35	2,974,301.75	2,938,706.76
3,232,921.80	3,199,177.07	2,920,450.19	3,084,008.59	3,182,930.67
155,622.66	73,424.91	3,530.84	109,760.84	244,223.91
136,927.20	48,122.89	1,281.64		
18,695.46	25,302.02	2,249.20	109,706.84	244,223.91

SYSTEM

1931	1932	1933	1934	1935
\$ c. 18,406,363.39	\$ c. 18,480,738.51	\$ c. 18,630,772.18	\$ c. 18,679,610.73	\$ c. 18,669,882.13
217,397.15	203,224.26	214,729.82	215,991.04	225,840.86
879,477.46	1,017,730.35	972,869.43	912,622.62	897,013.99
151,173.65	147,471.19	149,518.82	160,490.28	160,523.21
	132.36	869.29	1,140.37	1,190.36
135,813.13	137,066.04	140,993.98	148,323.24	148,735.40
1,383,861.39	1,505,624.20	1,478,981.34	1,438,567.55	1,433,303.82
	143,499.15	41,359.65		
1,383,861.39	1,362,125.05	1,437,621.69	1,438,567.55	1,433,303.82
1,339,046.63	1,235,438.17	1,380,099.79	1,383,066.52	1,436,074.07
44,814.76 Charged	126,686.88 Charged	57,521.90 Charged	55,501.03 Charged	2,770.25 Credited

able to these great sums, heretofore advanced by the Province for The Hydro-Electric Power Commission capital expenditures. They form in reality capital advances which earn not only interest and renewal reserves, but sinking fund sufficient to liquidate the entire capital investment of The Hydro-Electric Power Commission within a maximum period of forty years from the time the capital was invested. The amortization period is as low as ten years in the case of recent investments in power developments for mining purposes in the extreme northwestern part of the Province. Not one dollar has come from the taxpayers of the Province to meet any expenditure for interest or other capital charges upon the money advanced by the Province to The Hydro-Electric Power Commission on account of the cost-contract municipalities.

It is, therefore, sound public policy to remove the report of this part of the debt of the Province from the general debt statistics, and to indicate that while the capital invested for hydro-electric service is an indirect liability of the Province, there is no likelihood of the taxpayers of Ontario being called upon to meet any part, at any time, of the capital charges or of the moneys required to repay the advances made to The Hydro-Electric Power Commission.

These remarks apply to the four groups of municipalities embraced in the Niagara, Georgian Bay, Eastern Ontario and Thunder Bay systems. They are in part applicable also to the Northern Ontario properties. In respect to the power developments in that part of the Province north of the French river and lake Nipissing, the Commission believes that these properties will not only shortly carry their own capital charges but will provide surplus revenues for necessary extensions and improvements without cost to the Provincial Treasury.

Rural Power

Since the inauguration of the movement for the extension of the services of the Commission into the townships and hamlets of the Province, not included among the cost contract municipalities, the Legislative Assembly has authorized the making of grants for the construction of primary and secondary lines to serve the population of the hamlets and farms. These grants—uniformly half the first cost of primary and secondary rural lines—are the only moneys provided by the Province at the general cost of the taxpayer for the construction of Hydro plant. They have been made chiefly as a measure of social betterment. It is doubtful if as much as half of the existing mileage, now almost 10,000 miles in extent, of rural distribution systems would have been constructed without these grants in aid. The amount so expended up to the present time totals \$9,489,670, divided among the various systems as follows:—

Niagara.....	\$6,820,965
Georgian Bay.....	814,942
Eastern Ontario.....	1,737,371
Thunder Bay.....	60,376
Manitoulin R.P.D.....	29,454
Northern Ontario properties.....	26,562

The grants have carried with them a very general public approval. Their continuance will enable the Commission to construct in the future additional rural lines.

CAPITAL INVESTMENT

The total investment of The Hydro-Electric Power Commission of Ontario in power undertakings and hydro-electric railways is \$295,760,459.12, exclusive of government grants in respect of construction of rural power districts' lines; and the investment of the municipalities in distributing systems and other assets is \$112,240,515.88, making in power and hydro-electric railway undertakings a total investment of \$408,000,975.00.

The following statement shows the capital invested in the respective systems, districts and municipal undertakings:

Niagara system.....	\$210,332,868.06
Georgian Bay system.....	8,478,201.80
Eastern Ontario system.....	20,096,487.78
Thunder Bay system.....	18,669,882.13
Manitoulin rural power district.....	35,315.74
Nipissing rural power districts.....	27,305.40
Northern Ontario properties.....	30,739,704.70
Hydro-Electric railways.....	2,263,182.49
Office and service buildings, construction plant, inventories, etc.....	5,117,511.02
	<hr/>
	\$295,760,459.12
Municipalities' distribution systems—all systems.....	91,756,564.75
Other assets of municipal Hydro utilities (exclusive of \$32,609,979.83 of municipal sinking-fund equity in H-E.P.C. system)—all systems.....	20,483,951.13
	<hr/>
	<u>\$408,000,975.00</u>

RESERVES OF COMMISSION AND MUNICIPAL ELECTRIC UTILITIES

The total reserves of the Commission and the municipal electric utilities for sinking fund, renewals, contingencies and insurance purposes amount to \$148,474,209.03, made up as follows:

Niagara system.....	\$57,685,920.71
Georgian Bay system.....	3,449,255.67
Eastern Ontario system.....	6,663,121.77
Thunder Bay system.....	3,960,711.75
Manitoulin rural power district and Nipissing rural power districts.....	15,930.17
Northern Ontario properties.....	1,475,621.19
Office and service buildings and equipment.....	797,255.70
Bonnechere storage.....	7,373.03
	<hr/>
Total reserves in respect of Commission's properties.....	\$74,055,189.99
Hydro-electric railways (Guelph).....	144,873.11
Insurance, workmen's compensation and staff pensions.....	5,167,636.35
	<hr/>
Total reserves of the Commission.....	\$79,367,699.45
Total reserves and surplus of municipal electric utilities.....	69,106,509.58
	<hr/>
Total Commission and municipal reserves.....	<u>\$148,474,209.03</u>

The consolidated balance sheet of the municipal electric utilities, on page 277, shows a total cash balance of \$2,927,485.90, and bonds and other investments of \$2,593,633.59. The total surplus in the municipal books now amounts to \$48,236,542.76, in addition to depreciation and sundry other reserves aggregating \$20,869,966.82; these two amounts making the total of \$69,106,509.58 shown in the above table. The net increase in the municipal utilities' local reserves and surplus was \$4,878,294.76 and the net increase in the total of Commission and municipal reserves for the year was \$10,031,200.41. The increase of reserves since 1925 has been \$101,838,994.84.

REVENUE OF COMMISSION

The revenue of the Commission at interim rates from the municipal utilities operating under cost contracts, from customers in rural power districts and from other customers with whom—on behalf of the municipalities—the Commission has special contracts, all within the Niagara, Georgian Bay, Eastern Ontario and Thunder Bay systems, Manitoulin Island and Nipissing rural power districts aggregates \$29,085,571.37. The revenue of the Commission from customers served by the Northern Ontario properties, which are held and operated in trust for the Province, is \$1,684,376.06, making a total of \$30,769,947.43.

Summarized operating results of these systems and rural power districts, and of the Northern Ontario properties, follow:

OPERATING RESULTS OF THE SYSTEMS

Revenue from municipal electric utilities and other power customers.....	\$26,182,762.53
Revenue from customers in rural power districts.....	2,902,808.84
Total revenue, systems and rural.....	<u>\$29,085,571.37</u>
Operation, maintenance, administration, interest and other current expenses.....	\$26,853,477.63
Reserves for sinking fund, renewals, contingencies and obsolescence provided in the year.....	4,840,488.17
Total expenses and reserves.....	<u>\$31,693,965.80</u>
Less: Appropriated from contingencies reserve.....	2,878,831.21
Net total.....	<u>28,815,134.59</u>
Net balance credited to municipalities under cost contracts.....	<u>\$ 270,436.78</u>

OPERATING RESULTS OF THE NORTHERN ONTARIO PROPERTIES

Revenue from customers.....	\$ 1,684,376.06
Operation, maintenance, administration, interest and other current expenses.....	\$ 1,494,069.43
Reserves for sinking fund, renewals and contingencies	578,361.20
Total expenses and reserves.....	<u>2,072,430.63</u>
Balance, which is charged to Province of Ontario, subject to repayment out of any future surplus earnings of the properties.....	<u>\$ 388,054.57</u>

RURAL ELECTRICAL SERVICE

There is now rather more than \$19,180,000 invested in the rural power district systems established by the Commission. Towards this rural electrification work the Ontario Government, pursuant to its policy of promoting the basic industry of agriculture, has, in the form of grants-in-aid, contributed 50 per cent of the costs of transmission lines and equipment, or about \$9,490,000.

Segregated from the summary of the Commission's operating revenues as a whole, which has been presented above, the data relating to rural power districts show in the aggregate a revenue from rural customers of \$2,902,808.84 which was \$27,310.66 more than the total cost, including reserve requirements computed at the customary rates.

RURAL POWER DISTRICTS—OPERATIONS FOR THE YEAR 1935

	Niagara system	Georgian Bay system	Eastern Ontario system	Thunder Bay system	Mani- toulain rural power district	Nipissing rural power district	Totals
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Cost of power as provided to be paid under Power Commission Act.....	851,952.21	104,670.13	175,110.10	4,168.52	3,750.00	5,020.05	1,144,671.01
Cost of operation, maintenance and administration.....	474,122.83	53,270.75	116,522.52	3,489.31	1,372.12	2,170.46	650,947.99
Interest.....	300,271.00	38,720.58	77,408.44	2,889.18	1,583.51	1,098.62	421,971.33
Renewals.....	267,088.56	32,836.34	67,591.23	2,380.72	1,288.90	944.76	372,130.51
Obsolescence and contingencies.....	133,544.28	16,418.17	33,773.29	1,190.36	644.45	472.38	186,042.93
Sinking fund.....	71,238.47	9,126.31	18,120.12	626.72	370.16	252.63	99,734.41
Total expenses.....	2,098,217.35	255,042.28	488,525.70	14,744.81	9,009.14	9,958.90	2,875,498.18
Revenue from customers.....	2,123,547.16	255,141.45	491,418.30	13,612.96	8,382.18	10,706.79	2,902,808.84
Balances credited to districts or charged to municipalities comprising districts:							
Net credit, all districts.....	25,329.81	99.17	2,892.60			747.89	29,069.47
Net charge, all districts.....				1,131.85	626.96		1,758.81
Net credit, all systems.....							27,310.66

MUNICIPAL ELECTRIC UTILITIES

The following is a summation of the year's operation of the local electric utilities conducted by municipalities receiving power under cost contracts with the Commission:

Total revenue collected by the municipal electric utilities.....	\$33,009,939.17
Cost of power.....	\$20,053,676.40
Operation, maintenance and administration.....	5,169,172.51
Interest.....	2,040,130.35
Sinking fund and principal payments on debentures.....	2,423,088.34
Depreciation and other reserves.....	2,076,322.24
Total.....	31,762,389.84
Surplus.....	\$ 1,247,549.33

With regard to the local Hydro utilities operating under cost contracts, the following statements summarize for each of the four co-operative systems administered by the Commission, the financial status and the year's operations as detailed in Section X of the Report.

NIAGARA SYSTEM

The total plant assets of the Niagara system utilities amount to \$78,879,732.52. The total assets, including an equity in the H-E.P.C. of \$28,796,956.95 aggregate \$123,926,898.90. The reserves and surplus accumulated in connection with the local utilities, exclusive of the equity in the H-E.P.C., amount to \$55,805,541.09. The percentage of net debt to total assets is 34.8.

The total revenue of the municipal electric utilities served by this system was \$27,079,675.86, an increase of \$887,973.98, as compared with the previous year. After meeting all expenses in respect of operation, including interest, setting up the standard depreciation reserve amounting to \$1,693,702.44, and providing \$2,218,920.41 for the retirement of instalment and sinking fund debentures, the total net surplus for the year for the municipal electric utilities served by the Niagara system amounted to \$587,620.62.

GEORGIAN BAY SYSTEM

The total plant assets of the Georgian Bay System utilities amount to \$2,765,508.11. The total assets, including an equity in the H-E.P.C. of \$1,073,533.56 aggregate \$4,428,785.04. The reserves and surplus accumulated in connection with the local utilities, exclusive of the equity in H-E.P.C., amount to \$2,708,085.62. The percentage of the net debt to total assets is 18.9.

The total revenue of the municipal electric utilities served by this system was \$1,179,609.56, an increase of \$9,688.35, as compared with the previous year. After meeting all expenses in respect of operation, including interest, setting up the standard depreciation reserve amounting to \$77,416.60, and providing \$61,067.65 for the retirement of instalment and sinking fund debentures, the total net surplus for the year for the municipal electric utilities served by the Georgian Bay system amounted to \$113,088.26.

EASTERN ONTARIO SYSTEM

The total plant assets of the Eastern Ontario System utilities amount to \$7,600,413.87. The total assets, including an equity in the H-E.P.C. of \$1,292,442.14 aggregate \$11,290,104.77. The reserves and surplus accumulated in connection with the local utilities, exclusive of the equity in H-E.P.C., amount to \$7,492,938.37. The percentage of net debt to total assets is 18.4.

The total revenue of the municipal electric utilities served by this system was \$3,447,126.13, an increase of \$138,466.72, as compared with the previous year. After meeting all expenses in respect of operation, including interest, setting up the standard depreciation reserve amounting to \$192,960.00, and providing \$129,322.36 for the retirement of instalment and sinking fund debentures, the total net surplus for the year for the municipal electric utilities served by the Eastern Ontario System amounted to \$426,949.79.

THUNDER BAY SYSTEM

The total plant assets of the Thunder Bay System utilities amount to \$2,510,910.25. The total assets, including an equity in the H-E.P.C. of \$1,447,047.18 aggregate \$5,204,707.00. The reserves and surplus accumulated in connection with the local utilities, exclusive of the equity in H-E.P.C., amount to \$3,099,944.50. The percentage of net debt to total assets is 11.7.

The total revenue of the municipal electric utilities served by this system was \$1,303,527.62, an increase of \$3,420.04, as compared with the previous year. After meeting all expenses in respect of operation, including interest, setting up the standard depreciation reserve amounting to \$40,489.68, and providing \$13,777.92 for the retirement of instalment and sinking fund debentures, the total net surplus for the year for the municipal electric utilities served by the Thunder Bay system amounted to \$119,890.66.

* * *

The Honourable A. W. Roebuck and the Honourable T. B. McQuesten join with me in expressing appreciation of the wholehearted and highly efficient co-operation of the Heads of Departments and officials generally of the Commission in carrying on the operations of the past year. Many of them have been members of the staff from the beginning and have regarded the development of the plant and equipment of the Commission not so much as a job to be done, as a mission to be accomplished for the people of the Province.

I wish to repeat the assurance given in the report of last year, that grievances presented by any of the hundreds of thousands of consumers throughout the Province will be enquired into without prejudice and settled with a desire to do justice in every case.

As in the Fall of 1934, there was again a less urgent demand for energy for manufacturing purposes during the months of October and November 1935, except in the case of the heavy iron and steel industries. Since the turn of the year the Commission's power loads have again increased to a satisfactory degree, and the Commission looks forward to a substantial addition during the year ending October 31, 1936, to the industrial power demand in every system.

The increase in the use of power for gold mining in the north and for metallurgical processes in the Sudbury Districts foreshadows a very marked increase, during the present year, in the output of gold and base metals throughout Northern Ontario. This in turn must react favourably upon the metal industries in all the principal cities of the Province, especially those engaged in iron and steel manufacturing for northern consumption.

Respectfully submitted,

T. STEWART LYON,

Chairman

TORONTO, ONTARIO, MARCH 31st, 1936.

T. STEWART LYON, Esq.,

*Chairman, The Hydro-Electric Power Commission of Ontario,
Toronto, Ontario.*

Sir,—I have the honour to submit the Twenty-Eighth Annual Report of The Hydro-Electric Power Commission of Ontario. The Report covers the operations of the Commission for the fiscal year which ended October 31st, 1935. In it are incorporated, as Section X, financial statements and statistical data relating to the "Hydro" utilities of the partner municipalities.

I have the honour to be,

Sir,

Your obedient servant,

A. MURRAY McCRIMMON

Secretary and Controller

CONTENTS

SECTION	PAGE
FOREWORD - - - - -	xxvii
I. LEGAL, (SEE ALSO APPENDIX I) - - - - -	1
RIGHT-OF-WAY - - - - -	1
II. OPERATION OF THE SYSTEMS:	
GENERAL - - - - -	6
FORESTRY DIVISION - - - - -	11
NIAGARA SYSTEM - - - - -	16
GEORGIAN BAY SYSTEM - - - - -	31
EASTERN ONTARIO SYSTEM - - - - -	36
THUNDER BAY SYSTEM - - - - -	46
MANITOULIN RURAL POWER DISTRICT - - - - -	48
NORTHERN ONTARIO PROPERTIES - - - - -	49
III. MUNICIPAL WORK:	
NIAGARA SYSTEM - - - - -	58
GEORGIAN BAY SYSTEM - - - - -	60
EASTERN ONTARIO SYSTEM - - - - -	61
THUNDER BAY SYSTEM - - - - -	61
MANITOULIN RURAL POWER DISTRICT - - - - -	61
NORTHERN ONTARIO PROPERTIES - - - - -	62
RURAL ELECTRICAL SERVICE - - - - -	65
IV. HYDRAULIC ENGINEERING AND CONSTRUCTION:	
NIAGARA SYSTEM - - - - -	87
EASTERN ONTARIO SYSTEM - - - - -	88
NORTHERN ONTARIO PROPERTIES - - - - -	88
GENERAL - - - - -	90
V. ELECTRICAL ENGINEERING AND CONSTRUCTION:	
NIAGARA SYSTEM - - - - -	92
GEORGIAN BAY SYSTEM - - - - -	97
EASTERN ONTARIO SYSTEM - - - - -	97
THUNDER BAY SYSTEM - - - - -	98
NORTHERN ONTARIO PROPERTIES - - - - -	99
VI. TRANSMISSION, DISTRIBUTION AND RURAL SYSTEMS (SEE ALSO APPENDICES II AND III):	
NIAGARA SYSTEM - - - - -	103
GEORGIAN BAY SYSTEM - - - - -	105
EASTERN ONTARIO SYSTEM - - - - -	105
NORTHERN ONTARIO PROPERTIES - - - - -	107
TELEPHONE LINES—ALL SYSTEMS - - - - -	109
DISTRIBUTION LINES AND SYSTEMS - - - - -	110
VII. TESTING, RESEARCH, INSPECTION - - - - -	117
ELECTRICAL INSPECTION - - - - -	128

SECTION

PAGE

VIII. ELECTRIC RAILWAYS:

THE HAMILTON STREET RAILWAY COMPANY - - - - -	131
GUELPH RADIAL RAILWAY - - - - -	133

IX. FINANCIAL STATEMENTS RELATING TO PROPERTIES OPERATED BY THE COMMISSION:

CO-OPERATIVE SYSTEMS AND PROPERTIES:

BALANCE SHEET - - - - -	142
OPERATING AND INCOME ACCOUNTS - - - - -	144
SUMMARIZATION OF COST DISTRIBUTIONS - - - - -	146
SCHEDULES SUPPORTING THE BALANCE SHEET - - - - -	148

DETAILED STATEMENTS FOR MUNICIPALITIES AND RURAL POWER DISTRICTS:

NIAGARA SYSTEM - - - - -	166
GEORGIAN BAY SYSTEM - - - - -	206
EASTERN ONTARIO SYSTEM - - - - -	224
THUNDER BAY SYSTEM - - - - -	240
MANITOULIN ISLAND RURAL POWER DISTRICT - - - - -	244
NIPISSING RURAL POWER DISTRICTS - - - - -	246

NORTHERN ONTARIO PROPERTIES:

BALANCE SHEET - - - - -	250
OPERATING AND INCOME ACCOUNTS - - - - -	252
SCHEDULES SUPPORTING THE BALANCE SHEET - - - - -	254

THE HAMILTON STREET RAILWAY COMPANY - - - - -	259
GUELPH RADIAL RAILWAY - - - - -	263

X. MUNICIPAL ACCOUNTS AND STATISTICAL DATA:

EXPLANATORY STATEMENT - - - - -	267
CONSOLIDATED BALANCE SHEET - - - - -	272
CONSOLIDATED OPERATING REPORT - - - - -	278
STATEMENT A—BALANCE SHEETS - - - - -	284
STATEMENT B—DETAILED OPERATING REPORTS - - - - -	330
STATEMENT C—RESPECTING STREET LIGHTS - - - - -	376
STATEMENT D—COMPARATIVE REVENUE, CONSUMPTION, NUMBER OF CONSUMERS, AVERAGE MONTHLY BILL, NET COST PER KILOWATT-HOUR, ETC. -	396
STATEMENT E—COST OF POWER TO MUNICIPALITIES AND RATES TO CONSUMERS FOR DOMESTIC, COMMERCIAL LIGHTING AND POWER SERVICE - - -	414

APPENDIX I. ACTS - - - - -	431
----------------------------	-----

APPENDIX II. TRANSMISSION LINE RECORDS - - - - -	488
--	-----

APPENDIX III. DISTRIBUTION LINES AND SYSTEMS - - - - -	492
--	-----

INDEX - - - - -	499
-----------------	-----

ILLUSTRATIONS

PAGE

POWER FOR MINING IN NORTHERN ONTARIO—EAR FALLS DEVELOPMENT - - Frontispiece

FORESTRY DIVISION—OPERATING DEPARTMENT:

PRUNING CLOSELY-PLANTED TREES - - - - -	11
TREE MUTILATION—NOT ATTRIBUTABLE TO PRUNING FOR LINE CLEARANCE - - -	12
TREE PRESERVATION—EXAMPLE OF TREE SURGERY - - - - -	13
A SPECIMEN TREE AND A TREE HAZARD - - - - -	15

RURAL ELECTRICAL SERVICE IN ONTARIO:

PROPAGATION OF EGG PLANTS BY UNDER-SOIL ELECTRICAL HEAT - - - - -	67
HARVESTING EGG PLANTS PROPAGATED BY UNDER-SOIL ELECTRICAL HEAT - - -	67
COMPARISON OF TOBACCO PLANTS PROPAGATION WITH AND WITHOUT ELECTRICAL HEAT -	69
SUGGESTED SET-UP OF UTILITY-MOTOR CHOPPER IN BARN - - - - -	72
MILK COOLING BY ELECTRICAL REFRIGERATION WITH AGITATION - - - - -	73
DIAGRAMATIC SKETCH OF COMPLETE AUTOMATIC WATER SYSTEM FOR FARM - - -	74

ABITIBI CANYON DEVELOPMENT—NORTHERN ONTARIO PROPERTIES:

GENERAL VIEW SHOWING SLUICeways AND OVERFLOW CHANNEL - - - - -	88
UNLOADING CRANE, ON WEST BANK BELOW POWER HOUSE - - - - -	89

IMPROVED TRANSPORTATION FOR NORTHERN ONTARIO:

GENERAL VIEW OF MARINE RAILWAY AT FLOWER FALLS - - - - -	90
TERMINAL AT LAKE ST. JOSEPH - - - - -	91

CHATS FALLS DEVELOPMENT—OTTAWA RIVER:

FREQUENCY-CHANGER SET SHOWING 60-CYCLE GENERATOR UNDER CONSTRUCTION -	93
CONTROL BOARD FOR FREQUENCY-CHANGER - - - - -	95

RAT RAPIDS DEVELOPMENT—ALBANY RIVER:

GENERATING STATION - - - - -	101
OPERATORS' COTTAGE - - - - -	101

TRANSMISSION LINES—EASTERN ONTARIO SYSTEM—60-CYCLE LINE - - - - - 106

TRANSMISSION LINES—NORTHERN ONTARIO PROPERTIES:

WISH-BONE TYPE OF CONSTRUCTION ON 132,000-VOLT LINE - - - - -	107
TWIN-POLE ANGLE STRUCTURE ON 132,000-VOLT LINE - - - - -	109

TESTING AND RESEARCH LABORATORIES:

INTERNAL STRUCTURE OF AN ALUMINUM INGOT - - - - -	119
FATIGUE TESTING MACHINE FOR WIRE - - - - -	121
RESEARCH ON VIBRATION OF LINE CONDUCTORS—TEST SPAN AND OBSERVATION PLATFORM - - - - -	122
TYPICAL DEVICES TO REDUCE TRANSMISSION LINE VIBRATIONS - - - - -	123
DEAD-END CONNECTIONS TESTED FOR VIBRATION CHARACTERISTICS - - - - -	125

DIAGRAMS

	PAGE
TWENTY-FIVE YEARS RECORD—ALL SYSTEMS, CAPITAL INVESTMENT AND RESERVES -	xxix
TWENTY-FIVE YEARS RECORD, NIAGARA SYSTEM—POWER RESOURCES AND LOADS - -	xxxi
ALL SYSTEMS COMBINED—PEAK LOADS, 1931 TO 1935 - - - - -	7
NIAGARA SYSTEM—PEAK LOADS, 1910 TO 1935 - - - - -	18, 19
NIAGARA SYSTEM—PRIMARY AND SECONDARY LOADS, 1931 TO 1935 - - - - -	21
NIAGARA SYSTEM—TOTAL KILOWATT-HOUR LOAD, 1919 TO 1935 - - - - -	23
DOMINION POWER AND TRANSMISSION DIVISION—DIAGRAM OF STATIONS - - -	25
NIAGARA SYSTEM—DIAGRAM OF STATIONS. INSERT FACING - - - - -	26
GEORGIAN BAY SYSTEM—PEAK LOADS, 1919 TO 1935 - - - - -	33
GEORGIAN BAY SYSTEM—DIAGRAM OF STATIONS. INSERT FACING - - - - -	34
EASTERN ONTARIO SYSTEM—PEAK LOADS FOR ALL DISTRICTS COMBINED - - - -	37
OTTAWA DISTRICT—PEAK LOADS, 1917 TO 1935 - - - - -	39
PRECIPITATION DIAGRAM—OTONABEE WATERSHED - - - - -	40
CENTRAL ONTARIO DISTRICT—GENERAL OPERATING DATA - - - - -	41
EASTERN ONTARIO SYSTEM—DIAGRAM OF STATIONS. INSERT FACING - - - -	44
THUNDER BAY SYSTEM—DIAGRAM OF STATIONS - - - - -	45
THUNDER BAY SYSTEM—PEAK LOADS, 1921 TO 1935 - - - - -	46
THUNDER BAY SYSTEM—PRIMARY AND SECONDARY LOADS, 1932 TO 1935 - - - -	47
NORTHERN ONTARIO PROPERTIES:	
NIPISSING DISTRICT—PEAK LOADS, 1921 TO 1935 - - - - -	49
SUDBURY DISTRICT—PEAK LOADS, 1931 TO 1935 - - - - -	51
ABITIBI DISTRICT—PEAK LOADS, 1931 TO 1935 - - - - -	53
PATRICIA DISTRICT—PEAK LOADS, 1930 TO 1935 - - - - -	55
NORTHERN ONTARIO PROPERTIES—DIAGRAM OF STATIONS. INSERT FACING - - -	56
RURAL POWER DISTRICTS:	
MILEAGE OF PRIMARY LINES APPROVED - - - - -	76
AGGREGATE PEAK LOADS, 1921 TO 1935 - - - - -	77
DIAGRAM ILLUSTRATING GROWTH OF - - - - -	113
ELECTRICAL INSPECTION DEPARTMENT—CHART ILLUSTRATING OPERATIONS - - - -	129
THE HAMILTON STREET RAILWAY COMPANY—OPERATING STATISTICS - - - - -	132
GUELPH RADIAL RAILWAY—OPERATING STATISTICS - - - - -	134
TWENTY-FIVE YEARS RECORD—ASSETS AND LIABILITIES OF "HYDRO" UTILITIES - - -	270
TWENTY-FIVE YEARS REVENUES—"HYDRO" UTILITIES - - - - -	271
COST OF ELECTRICAL SERVICE IN MUNICIPALITIES SERVED BY THE HYDRO-ELECTRIC POWER COMMISSION - - - - -	397

MAP

TRANSMISSION LINES AND STATIONS OF THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO - - - - -	At end of volume
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TWENTY-EIGHTH ANNUAL REPORT
OF
The Hydro-Electric Power Commission
of Ontario

FOREWORD
and
Guide to the Report

THE Hydro-Electric Power Commission of Ontario administers a co-operative municipal-ownership enterprise, supplying power throughout the Province of Ontario. The Commission was created in 1906 by special act of the Legislature and followed investigations by advisory commissions appointed as a result of public agitation to prevent monopoly and to provide a more satisfactory supply of low cost power in Southern Ontario. In 1907 The Power Commission Act (7-Edward VII Ch. 19) was passed amplifying and extending the Act of 1906 and this Act—modified by numerous amending acts which now form part of the Revised Statutes of Ontario, 1927, Chap. 57—constitutes the authority under which the Commission operates.

The Hydro-Electric Power Commission of Ontario consists of a Chairman and two Commissioners, all of whom are appointed by the Lieutenant-Governor-in-Council to hold office during pleasure. One of the Commissioners must be a member of the Executive Council and two may be members.

In 1909, work was commenced on a comprehensive transmission system and by the end of 1910 power was being supplied to several municipalities.

The Commission has now been supplying electrical energy for more than twenty-five years and the Report contains diagrams depicting the growth of the enterprise. During this period the costs of electricity to the consumer have been substantially reduced and the finances of the enterprise have been established on a secure foundation.

At the end of 1935 the Commission was serving 766 municipalities in Ontario. This number included 26 cities, 95 towns, 273 villages and police villages and 372 townships. With the exception of 14 suburban sections of townships known as “voted areas,” the townships and 93 of the smaller villages are served as parts of 171 rural power districts.

Financial Features

The basic principle governing the financial operations of the undertaking is, that electrical service be given by the Commission to the municipalities and by the municipalities to the ultimate consumers at cost. Cost includes not only all operating and maintenance charges, interest on capital investment and reserves for renewals or depreciation and for obsolescence and contingencies, but also a reserve for sinking fund or capital payments on debentures.

The undertaking from its inception has been entirely self-supporting and no contributions have been made from general taxes except in connection with service in rural power districts. In this case, the Province, in pursuance of its long established policy of assisting agriculture and with the approval of the urban citizens, assists extension of rural electrical service by a grant-in-aid of the capital cost and in other ways as specified and detailed in the Report.

As the principle of "service at cost" is radically different from that obtaining in private organizations, where profit is the governing feature, it naturally results in different and in some ways unique administrative features.

The undertaking as a whole involves two distinct phases of operations as follows:

The FIRST phase of operations is the provision of the electrical power—either by generation or purchase—and its transformation, transmission and delivery in *wholesale* quantities to individual municipal utilities, to large industrial consumers, and to rural power districts. This phase of the operations is performed by The Hydro-Electric Power Commission of Ontario as trustee for the municipalities acting collectively in groups or "systems," and the financial statements relating to these collective activities of the municipalities are presented in Section IX of the Report. Each system of municipalities, as provided in *The Power Commission Act* forms an independent financial unit and the accounts are therefore segregated and separately presented for each system. In order, however, that there may be a comprehensive presentation of the co-operative activities of the undertaking as a whole, there are presented, in addition, for the four main systems and miscellaneous co-operative activities, a balance sheet of assets and liabilities, a summary combined operating and income account and a summary combined statement respecting the various reserves.

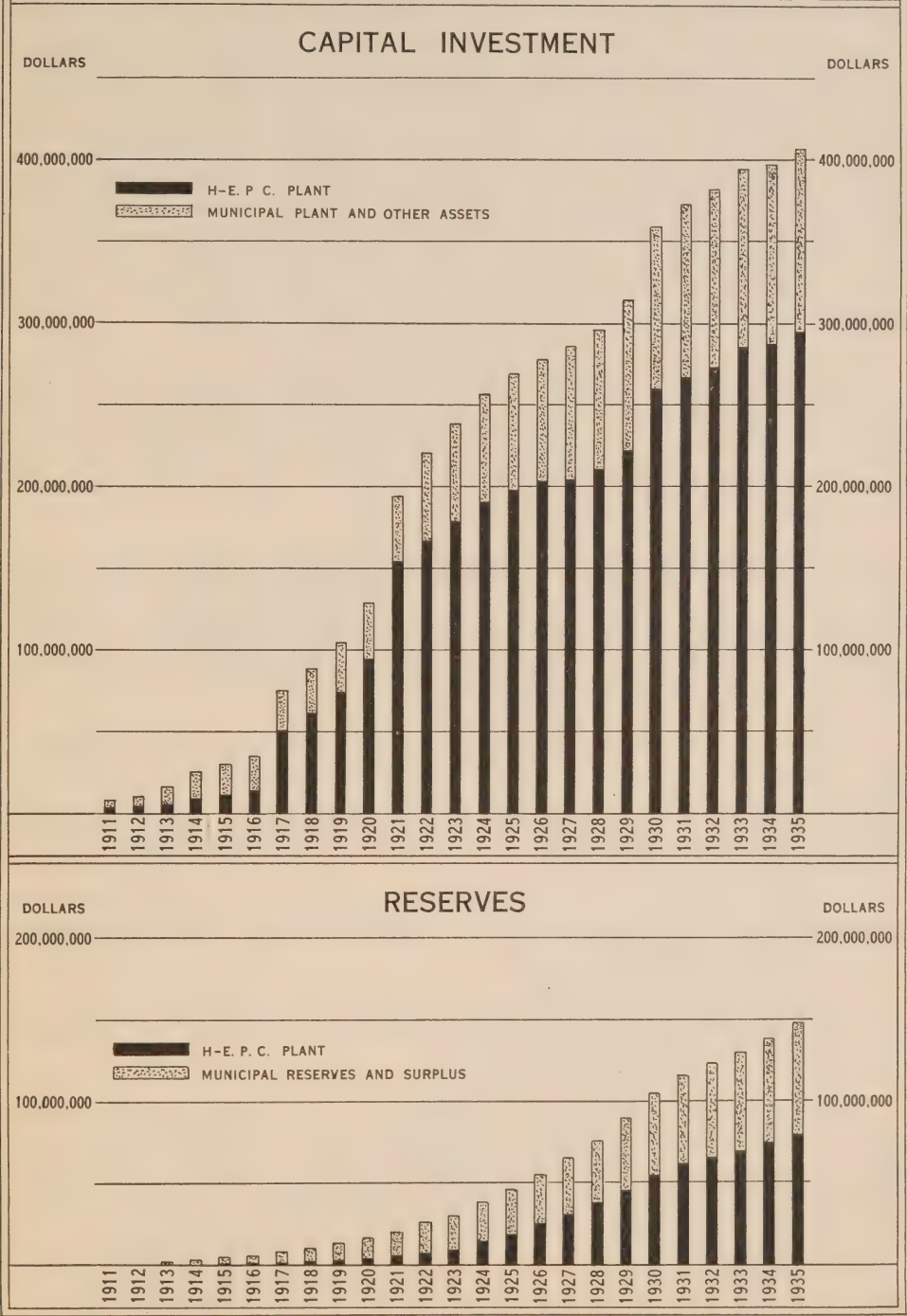
For the Northern Ontario properties operated by the Commission on behalf of the Province there are also presented in Section IX financial statements including a balance sheet; an operating and income account, and statements respecting reserves and capital expenditures.

The SECOND phase of operation is the *retail* distribution of electrical energy to consumers within the limits of the areas served by the various municipal utilities and rural power districts. In the case of rural power districts, which usually embrace portions of more than one township, The Hydro-Electric Power Commission not only provides the power at wholesale, but also—on behalf of the respective individual townships—attends to all physical and financial operations connected with the distribution of energy at retail to the consumers within the rural power districts. The financial statements relating to the rural power districts are also presented in Section IX of the Report.

In the case of cities, towns, many villages and certain thickly populated areas of townships, retail distribution of electrical energy provided by the Commission is in general conducted by individual local municipal utility commissions under the general supervision of The Hydro-Electric Power Commission of Ontario. The balance sheets, operating reports and statistical data relating to the individual urban electrical utilities are presented in Section X of the Report.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

TWENTY-FIVE YEARS RECORD — ALL SYSTEMS



Further details respecting administration, and explanations of the financial tables presented in the Report are given in the introductions to sections IX and X on pages 135 and 267.

Systems Operating

From time to time in accordance with provisions in *The Power Commission Act* various groups of municipalities have been co-ordinated to form systems for the purpose of obtaining power supplies from convenient sources. In some cases these small systems grew until their transmission lines interlocked with those of adjacent systems and it proved beneficial to consolidate the transmission networks and the financial and administrative features. In the well settled parts of the Province, known as Old Ontario, this process has now reached a more stable condition and the municipalities of the southern part of the Province are now combined in three systems: the Niagara system, the Georgian Bay system and the Eastern Ontario system. One other system of partnership municipalities is known as the Thunder Bay system.

The Niagara System is the largest and most important system. It embraces municipalities in all the territory between Niagara Falls, Hamilton and Toronto on the east and Windsor, Sarnia and Goderich on the west. It is served with electrical energy generated at plants on the Niagara river, supplemented with power transmitted from generating plants on the Ottawa river and with power purchased from Quebec companies.

The Georgian Bay System comprises municipalities in that part of the Province which surrounds the southern end of Georgian bay and lies to the north of the territory served by the Niagara system. It includes the districts surrounding lake Simcoe and extends as far north as Huntsville in the Lake of Bays district and south to Port Perry. Its power supplies are derived chiefly from local water power developments.

The Eastern Ontario System serves all of Ontario east of the areas comprising the Georgian Bay and the Niagara systems. It includes the districts of Central Ontario, St. Lawrence, Rideau, Ottawa and Madawaska; formerly separate systems. Its power supplies are from local developments supplemented by purchases from other sources.

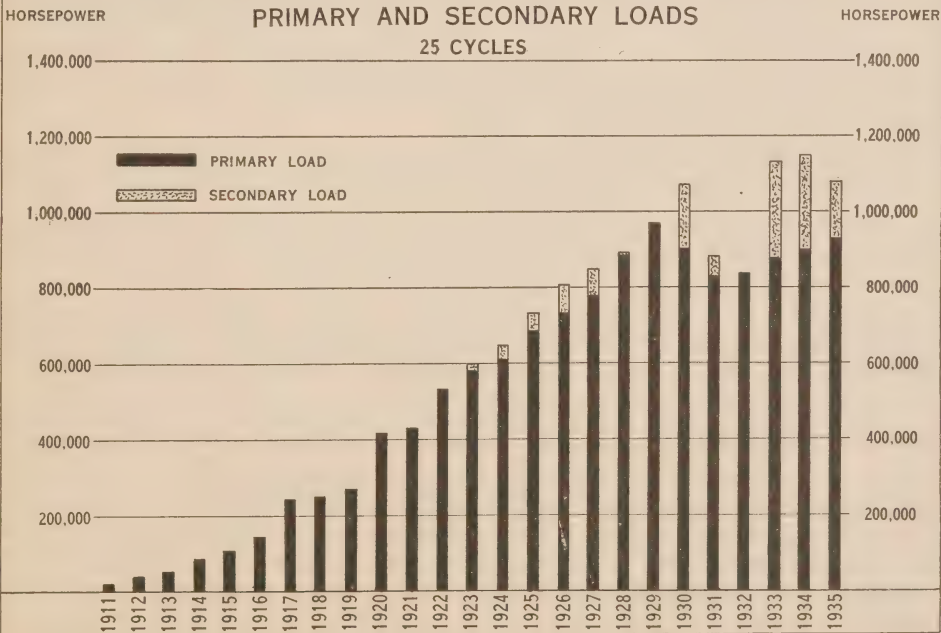
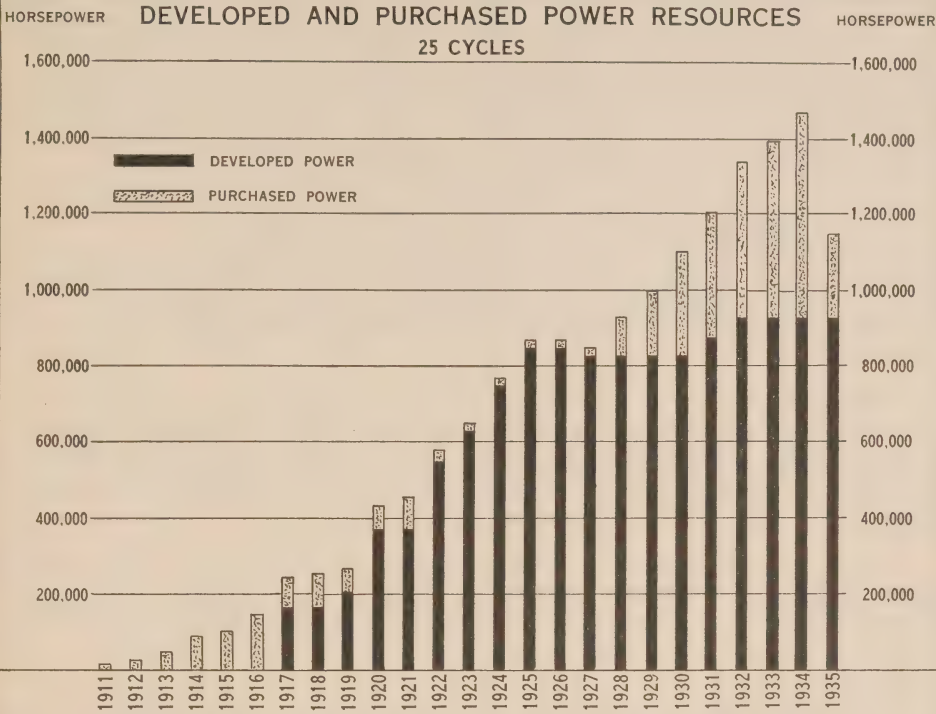
The Thunder Bay System comprises the cities of Port Arthur and Fort William, adjacent rural sections and the village of Nipigon. Two developments on the Nipigon river supply power.

A small rural district known as *Manitoulin Rural Power District* on Manitoulin island in the northern area of lake Huron is served by the Commission as an independent unit.

Northern Ontario Properties. In addition to its operations on behalf of the partner municipalities, the Commission, under an agreement with the Province, holds and operates the Northern Ontario Properties in trust for the Province. For the purposes of financial administration these properties are treated as one unit. The Northern Ontario Properties lie in the portion of the Province north of Lake Nipissing and French River areas, exclusive of the territory served by the Thunder Bay system. The principal areas in this vast territory at

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

TWENTY-FIVE YEARS RECORD — NIAGARA SYSTEM



NOTE: Diagram depicts conditions for December, which correspond closely to winter peak conditions

present receiving service are the *Nipissing District* centering around the city of North Bay on the shore of lake Nipissing; the *Sudbury District* comprising the city of Sudbury and the adjacent mining area known as Sudbury Basin; the *Abitibi District* comprising the territory served by 25-cycle power from the Abitibi Canyon development; the *Espanola District* in the southern portion of the district of Sudbury serving mining properties with 60-cycle power; the *Patricia District* comprising the territory within transmission distance of the Ear Falls development at the outlet of Lac Seul on the English river including the Red Lake mining area, and *St. Joseph District* comprising the territory immediately north of lake St. Joseph in the territorial district of Patricia served with power from a development at Rat Rapids on the Albany river.

The geographic boundaries of the various systems are shown on the map of transmission lines and stations at the back of the Report.

The power supplies for the systems and Northern Ontario districts are listed in the first table of Section II of the Report on pages 8 and 9.

The Annual Report

The table of contents, pages xxiii and xxiv lists the matters dealt with in the Report. At the end of the Report there is a comprehensive index. To those not conversant with the Commission's Reports, the following notes will be useful.

In Section II, pages 6 to 57 dealing with the operations of the systems are a number of diagrams showing graphically the monthly loads on the several systems and districts. Tables are also presented showing the amounts of power taken by the various municipalities in October during the past three years.

The rural distribution work of the Commission has proved of widespread interest and special reference to this is made in Section III on pages 65 to 86.

In Sections IV, V and VI will be found information respecting progress of work on new power developments and on transmission system extensions, together with photographic illustrations.

About one-half of the Report is devoted to financial and other statistical data which are presented in two sections IX and X already referred to above.

Frequent enquiries for the rates for service to consumers are received by the Commission. For the urban municipalities served by the Commission these are given in statement "E" starting on page 414. For the rural power districts they are given in a table starting on page 80. Certain statistical data resulting from the application of the rates in urban utilities are given in statement "D" starting on page 396. This statement is prefaced by a special introduction.

In its Annual Reports the Commission aims to present a comprehensive statement respecting the activities of the whole undertaking under its administration. Explanatory statements are suitably placed throughout the Report. The Commission receives many letters asking for general information respecting its activities, as well as requests for specific information concerning certain phases of its operations. In most cases these enquiries can satisfactorily be answered by simply directing attention to information presented in the Annual Report.

SECTION I

LEGAL

AT the 1935 Session of the Legislative Assembly of the Province of Ontario two Acts respecting The Hydro-Electric Power Commission of Ontario were passed. These are reproduced in full in Appendix I of this Report. The short titles to the said Acts are as follows:

The Power Commission Act, 1935, Chapter 53.

The Power Commission Amendment Act, 1935, Chapter 54.

The agreements between The Hydro-Electric Power Commission of Ontario and the municipalities and corporations mentioned in the list hereunder given were approved by Order-in-Council, dated the 21st day of November, 1935.

VILLAGES

Streetsville.....	December, 3, 1934
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TOWNSHIPS

Ameliasburg.....	June 12, 1935
Anson and Hindon.....	September 27, 1935
East Hawkesbury.....	June 11, 1934
East Zorra.....	September 17, 1934
Minden.....	October 1, 1935
Ross.....	August 3, 1935
Scott.....	October 5, 1935
Sophiasburg.....	April 25, 1935
Storrington.....	November 12, 1934
Westmeath.....	June 15, 1935

CORPORATIONS

Burlington Steel Co., Ltd.....	November 28, 1934
Hollinger Consolidated Gold Mines, Limited.....	October 23, 1934
Lionite Abrasives Limited.....	May 1, 1935
Norton Company.....	August 31, 1935

RIGHT-OF-WAY AND PROPERTIES

The Commission as trustee for the co-operating municipalities of the several systems, and as trustee for the Provincial Government in Northern Ontario has vested in it, or controls through ownership of subsidiary companies, a large amount of real estate throughout the Province. This real estate comprises

power sites, storage basins, land held to avoid consequential damages, right-of-way and lands occupied by generating stations, transformer and distributing stations, and administration buildings. In respect to the 5,600 miles of high-voltage transmission lines, and the 10,000 miles of distribution lines in rural power districts, the Commission's right varies from direct ownership to rights held through easements, and leases for occupation with the right to overhang or tree trim thereon.

The Commission, where vested in the fee, endeavours to obtain from the lands under its jurisdiction the maximum revenue consistent with its own use. Lands which have come into the Commission's possession, and which are not immediately required for its purposes are, where possible, leased until the need arises for their use, and an endeavour is made to dispose of all lands not required.

The acquirement and administration of land owned, leased or controlled involves surveys, investigation of title, registrations, record, assessment and taxes.

In connection with the transmission and distribution networks throughout the Province, it is frequently necessary to obtain the approval of such controlling bodies as the Board of Railway Commissioners for Canada, Ontario Municipal Board, Department of Railways and Canals, Department of Public Works, Department of Indian Affairs, Department of Crown Lands, or other corporate body having jurisdiction over the lands involved.

The Year's Operations

During the year, agreements were made covering 250 crossings and leases, 428 easements for transmission line right-of-way, and 171 tree trimming rights upon the lines hereinafter noted. In a few cases where a satisfactory settlement could not be effected by negotiation, the value and the rights involved were referred to the valuator, appointed under The Power Commission Act. In one case only was the award so made the subject of an appeal to the Ontario Municipal Board whose award closely corresponded to that of the valuator.

Purchase of Sites

Sites were purchased for Port Perry rural station in the Georgian Bay system, and for Ramore transformer station and an operator's residence at Timmins in the Abitibi District of the Northern Ontario properties. Negotiations were also carried on for the purchase of transformer station sites at Timmins and Kirkland Lake in the same district.

Railway Right-of-way—Sales of, and Easements

Due to the Windsor, Essex and Lake Shore Railway ceasing operation, and its control passing to the Guaranty Trust Company, trustees for the bondholders, an agreement was negotiated with the Trust Company for an easement for the transmission line on railway right-of-way between Essex transformer station and Essex distributing station.

An agreement with the Canadian National Railways for the purchase of the Toronto Suburban right-of-way and transmission line between Lambton and Georgetown was completed. Subject to the right of the Commission to maintain transmission lines thereon, the right-of-way is being resold where possible.

The portion of the right-of-way of the Metropolitan Division of the former Toronto and York Radial Railway between Newmarket and Keswick, which was acquired by the Commission from the City of Toronto for a transmission line, was resold to adjoining owners, subject to a reservation with respect to the transmission lines.

Plans and descriptions of lands owned by subsidiary companies of the Dominion Power and Transmission Company were prepared, and approximately 95 per cent of transfers were effected by deed to the Commission. Subject to a reservation of rights with respect to transmission lines occupying certain sections, a considerable portion of the right-of-way of the former Hamilton, Grimsby and Beamsville Electric Railway was sold to the Department of Public Highways, and the right-of-way of the Brantford and Hamilton Electric Railway from Ancaster to Brantford to adjoining owners.

Lines in Rural Power Districts

Where possible, rural power lines are constructed on public highways or roads. In a few cases in order to avoid cutting trees, or owing to special local conditions, lines have been placed on private property. Frequently highway construction and improvement make it necessary to relocate existing pole lines. Wood-pole lines and extensions, involving easements, leases, etc., were constructed in the following rural power districts during 1935:

Niagara System

Amherstburg, Barton, Beamsville, Brant, Caledonia, Chatham, Delaware, Dundas, Elora, Essex, Goderich, Grantham, Guelph, Markham, Merlin, Niagara, Palmerston, Preston, Saltfleet, Sandwich, Scarboro, Simcoe, Stamford, Streetsville, St. Thomas, Tavistock, Tillsonburg, Wallaceburg, Walsingham, Waterdown, Welland, Woodbridge.

Georgian Bay System

Bala, Barrie, Beaumaris, Beaverton, Georgina, Hawkestone, Huntsville, Innisfil, Midland, Port Perry, Sparrow Lake, Utterson, Uxbridge.

Eastern Ontario System

Alexandria, Belleville, Bowmanville, Brighton, Brockville, Cobourg, Colborne, Fenelon Falls, Kingston, Martintown, Maxville, Napanee, Nepean, Newcastle, Oshawa, Peterboro, Renfrew, Smiths Falls, Trenton, Warkworth, Wellington, Williamsburg.

Thunder Bay System

Port Arthur.

High- and Low-Voltage Transmission Lines

Right-of-way easements, leases, tree trimming and crossing rights were negotiated in connection with the following lines:

Niagara System

DeCew Falls generating station to Niagara Falls (Canadian Niagara Power), D.P. 1x4.
DeCew Falls generating station to Bartonville switching station, D.P. 1x70.
Smithville distributing station to Stoney Creek junction, D.P. 7x58.
Burlington distributing station to National Fireproofing junction, D.P. 13x1362.

Bartonville switching station to Ancaster distributing station, D.P. 70x24.
 National Fireproofing junction to Notre Dame Academy, D.P. 1362x3.
 Burlington Beach Commission, D.P. 2005.
 Lincoln Electric Company, D.P. 3601.
 Niagara transformer station to Toronto Power transformer station, N. 1x42.
 Niagara transformer station to Allenburg junction, N. 1x54.
 Dundas transformer station to Guelph transformer station, N. 2x5.
 Dundas transformer station to Brant transformer station, N. 2x12.
 London transformer station to Glendale junction, N. 4x465.
 Guelph transformer station to Preston transformer station, N. 5x6.
 Kitchener transformer station to Erbs junction, N. 7x86.
 St. Marys transformer station to London transformer station, N. 9x4.
 St. Thomas transformer station to Kent transformer station, N. 11x14.
 St. Thomas transformer station to St. Clair transformer station, N. 11x18.
 Cooksville transformer station to York transformer station, N. 13x16.
 Cooksville transformer station to Cooksville Shale junction, N. 13x1363.
 York transformer station to Strachan transformer station, N. 16x3.
 Hamilton Beach transformer station to Hamilton Stirton transformer station, N. 17x48.
 Ontario Power transformer station to Ontario Paper junction, N. 19x182.
 Bridgman Davenport transformer station to Leaside transformer station, N. 31x34.
 Wiltshire transformer station to Humber junction, N. 32x1660.
 Toronto Power transformer station to Ontario Power transformer station, N. 42x19.
 Thorold transformer station to Interlake Tissues junction, N. 44x4470.
 Queenston Forebay towers to Holland Road junction, N. 50x89.
 Holland Road junction to Pelham junction, N. 89x55.
 Saltfleet junction to Hamilton Beach transformer station, N. 53x17.
 Allanburg junction to Dundas transformer station, N. 54x2.
 Fonhill junction to Pelham junction, N. 56x55.
 Burlington junction to Islington junction, N. 59x66.
 Halton junction to Cooksville transformer station, N. 60x13.
 Islington junction to Wiltshire junction, N. 66x82.
 Wiltshire junction to Bridgman Davenport transformer station, N. 82x31.
 Erbs junction to Stratford transformer station, N. 86x8.
 Wabash junction to Thorold transformer station, N. 95x44.
 Port Robinson junction to Beaver Wood Fibre junction, N. 163x62.
 Sharon distributing station to Keswick junction, N. 360x79.
 St. Andrews junction to Pottageville distributing station, N. 376x93.
 Delaware junction to Mount Brydges junction, N. 462x64.
 Mount Brydges junction to Strathroy, N. 464x5.
 Glendale junction to Delaware junction, N. 465x62.
 Elginfield junction to Ailsa Craig distributing station, N. 472x42.
 Cheltenham junction to Georgetown distributing station, N. 568x39.
 Baden distributing station to Wellesley, N. 735x6.
 Paris to Ayr junction, N. 1208x70.
 Burford distributing station to Canadian Aggregates, N. 1234x27.
 Lake Erie and Northern Railway junction to Brantford, N. 1262x1.
 Lake Erie and Northern Railway (Simcoe) junction to St. Williams distributing station, N. 1267x53.
 Port Credit junction to Port Credit distributing station, N. 1362x31.
 Cooksville Shale junction to Britannia junction, N. 1363x68.
 Streetsville junction to Milton, N. 1369x8.
 Hurontario junction to Port Credit junction, N. 1375x62.
 Prince Albert junction to Como junction, N. 1468x69.
 Como junction to Dominion Sugar Company junction, N. 1469x83.
 Fletcher junction to Tilbury distributing station, N. 1485x32.
 Sandwich junction to Sandwich distributing station, N. 1569x39.
 Amherstburg junction to Amherstburg distributing station, N. 1572x42.
 Toronto Transportation Commission to Rifle Ranges junction, N. 1619x78.
 Long Branch junction to Toronto Transportation Commission, N. 1672x19.
 Albion Park junction to Albion Park distributing station, N. 1677x47.
 Rifle Range junction to Port Credit junction, N. 1678x1362.
 Forest junction to Petrolia distributing station, N. 1875x43.
 Wanstead junction to Forest distributing station, N. 1876x45.
 Federal junction to Ottawa switching station, N.A. 59x9.

Georgian Bay System

Erbs junction to Hanover frequency-changer station, G. 86x36.

Eastern Ontario System

Sidney transformer station to Trenton Air Station, C. 3x303.
Frankford generating station to Sidney transformer station, C. 5x3.
Heeley Falls generating station to Ontario Rock Company, C. 14x1401.
Auburn generating station to Lakefield distributing station, C. 18x1832.
Norwood distributing station to Hastings, C. 31x3103.
Newcomb junction to Welcome junction, C. 63x65.
Port Hope switching station to Newcastle distributing station, C. 66x22.
Belleville switching station to Belleville distributing station, C. 88x38.
Perth Road junction to Kingston switching station, C. 95x94.
Merrickville generating station to Grenville Crushed Rock Company, H. 7x10.
Grenville Crushed Rock Company to Kemptville distributing station, H. 10x9.
Williamsburg distributing station to Winchester distributing station, L. 7x4.
Eugene Phillips junction to Brockville distributing station, L. 72x3.
Lower Lakes Terminal junction to Prescott distributing station, L. 74x2.
Cornwall transformer station to Howard Smith Cornwall transformer station, Q. 6x7.
Carleton Place distributing station to Carleton Place junction, Q. 9x55.
Boundary junction to Ottawa junction, Q. 50x51.
Ottawa junction to Cornwall transformer station, Q. 51x6.
Ottawa junction to Smiths Falls transformer station, Q. 51x2.
Carleton Place junction to Smiths Falls junction, Q. 55x63.
Galetta junction to Pakenham junction, Q. 60x61.
Pakenham junction to Carleton Place distributing station, Q. 61x9.
Smiths Falls junction to Smiths Falls transformer station, Q. 63x2.
Arnprior junction to Galetta junction, Q. 67x60.
Renfrew distributing station to Cobden distributing station, Q.M. 16x1633.

Thunder Bay System

Cameron Falls generating station to Alexander junction, P. 1x54.
Cameron Falls transformer station to Northern Empire Mines, P. 12x13.
Sprucewood junction to Dorion junction, P. 50x55.
Alexander junction to Reserve junction, P. 54x57.
Dorion junction to Port Arthur transformer station, P. 55x2.
Reserve junction to Sprucewood junction, P. 57x50.
William Street junction to Great Lakes Pulp & Paper Co., P. 59x8.

Northern Ontario Properties

Nipissing District

Nipissing generating station to Nipissing village, Z. 1x101.

Sudbury District

Stobie junction to Treadwell Yukon, F.S. 55x102.

Abitibi District

Kirkland Lake transformer station to Matachewan transformer station, F.A. 16x17.
Kirkland Lake transformer station to Larder Lake transformer station, F.A. 16x21.
Ramore transformer station to Hollinger Consolidated Gold Mines, F.A. 18x1801.
Ramore transformer station to Vimy Gold Mines, F.A. 18x1802.
Timmins transformer station to Copper Cliff transformer station, F.A. 19x10.
Timmins transformer station to Central Porcupine Mines, F.A. 19x1901.
Timmins transformer station to Pamour Porcupine Mines, F.A. 19x1902.
Timmins transformer station to Paymaster Consolidated Mines, F.A. 19x1903.
Hunta junction to Timmins transformer station, F.A. 50x19.
Iroquois Falls junction to Kirkland Lake transformer station, F.A. 65x16.
Bleazard Valley junction to Falconbridge transformer station, F.A. 70x20.

St. Joseph District

Rat Rapids development to Central Patricia Gold Mines, F.J. 1x2.

SECTION II

OPERATION OF THE SYSTEMS

Operating Conditions

Rainfall during the past year was somewhat above normal in the districts drained by the rivers on which the Commission's generating stations are situated. The seasonal distribution of the rainfall was also favourable. These factors and a careful control of storage water, provided satisfactory stream flow at practically all plants. The plants on the Niagara river are to a large extent independent of variations in precipitation, their water diversion being limited by international treaty. Water supply to Queenston generating station is, however, affected by low levels in lake Erie. During the past year the lake was unusually low, reducing the water supply and the operating capacity of the station.

Severe wind-storms caused some damage to lines near Niagara Falls, Sarnia and Cornwall, but in general lines suffered little from either wind or sleet.

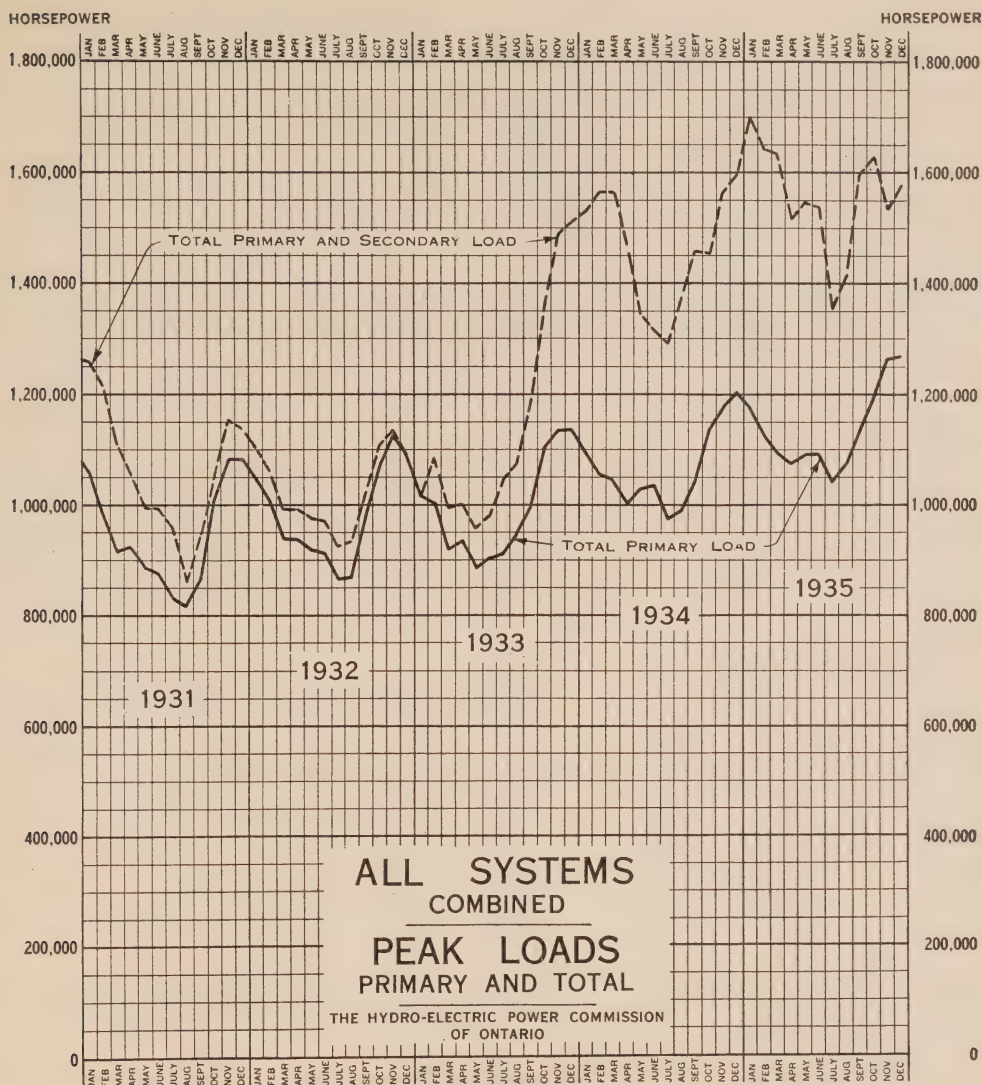
Equipment in the generating, transformer and distributing stations functioned satisfactorily. Except for minor failures of insulation under stresses set up by lightning and surges, no damage to equipment occurred.

Systematic inspection of apparatus and lines was continued, and adjustments and repairs made. All equipment was maintained in condition for reliable service, and for efficient operation under increasing load.

On October 21, the Commission ceased to take power from the Ottawa Valley Power Company at Chats Falls and on October 21, and 22, the takings from the Beauharnois Power Company and MacLaren Quebec Power Company were discontinued. This involved an increase in the delivery of power from Niagara Falls to Toronto and Hamilton and a re-arrangement of existing lines in the vicinity of Niagara Falls and Dundas, and of the system protective relays.

Load Conditions

It is the total load, regardless of the purpose for which parts of it may be used, that governs operation and determines what apparatus can be released from service for inspection and repair. From an operating standpoint the total load carried by a station or line is of first importance. However, when load is being considered from a revenue viewpoint or as an index of general business conditions, it is important to distinguish between primary load, which is used for general industrial, commercial, residential and rural purposes at normal rates, and secondary load, which is used for special purposes



at low rates, and is subject to wide fluctuations in amount. Throughout this operating section figures are given for both the total load and the primary load, and care should be exercised to insure that the proper figure is taken according to the purpose for which it is to be used.

Total Load

The total load on all systems, as shown by the customary table of power generated and purchased given herein, amounted to 6,919,000,000 kilowatt-hours. This is an increase over last year of about 499,000,000 kilowatt-hours, or 7.8 per cent, and an increase over 1930, the highest pre-depression year, of 1,805,000,000 kilowatt-hours or 35 per cent.

The yearly peak load, i.e., the sum of the peak loads of all systems, was 1,728,000 horsepower, an increase of 8 per cent over 1934, and approximately

TOTAL POWER GENERATED

HYDRO-ELECTRIC GENERATING PLANTS

Generating plants	Maximum normal plant capacity Oct. 31, 1935 horsepower	Peak load during fiscal year		Total output during fiscal year	
		1933-34 horse- power	1934-35 horse- power	1933-34 kilowatt- hours	1934-35 kilowatt hours
Niagara system					
Queenston-Chippawa—Niagara river.....	500,000	455,764	461,126	2,028,891,000	1,974,047,000
“Ontario Power”—Niagara river.....	180,000	164,879	174,933	549,339,000	758,356,000
“Toronto Power”—Niagara river.....	150,000	136,729	136,729	245,698,000	101,713,000
Chats Falls (Ontario half)—Ottawa river.....	96,000	97,185	96,515	222,959,000	298,333,450
DeCew Falls—Welland canal.....	50,000	47,450	45,845	120,348,300	118,476,000
Steam Plant—Hamilton.....	24,000	3,753		—1,869,200	—3,071,700
Georgian Bay system					
South Falls—South Muskoka river.....	5,600	5,866	5,630	20,391,840	25,496,160
Hanna Chute—South Muskoka river.....	1,600	1,743	1,609	5,690,400	7,250,400
Trethewey Falls—South Muskoka river.....	2,300	2,145	2,145	8,258,400	9,756,000
Bala No. 1 and 2—Muskoka river.....	600	576	597	2,772,888	2,340,760
Big Chute—Severn river.....	5,800	5,791	5,737	19,740,840	21,468,960
Wasdells Falls—Severn river.....	1,200	1,139	1,099	3,599,520	3,684,900
Eugenia Falls—Beaver river.....	7,800	7,748	7,399	13,593,600	9,640,800
Hanover—Saugeen river.....	400	389	429	506,736	804,960
Walkerton—Saugeen river.....	500	476	476	1,900,800	1,862,200
Southampton—Saugeen river.....	300	0	0	0	0
Eastern Ontario system					
Sidney—Dam No. 2—Trent river.....	4,500	4,960	4,960	14,500,900	19,919,100
Frankford-Dam No. 5—Trent river.....	3,500	3,753	3,780	6,250,300	11,252,150
Meyersburg-Dam No. 8—Trent river.....	7,000	7,828	7,936	22,117,420	31,736,760
Hague's Reach-Dam No. 9—Trent river.....	4,500	5,295	4,893	12,502,030	20,008,740
Ranney Falls-Dam No. 10—Trent river.....	10,500	10,858	11,260	30,101,880	45,255,960
Seymour-Dam No. 11—Trent river.....	4,200	4,759	4,424	14,696,160	17,916,720
Heely Falls-Dam No. 14—Trent river.....	15,300	16,086	16,220	36,489,320	49,968,200
Auburn-Dam No. 18—Otonabee river.....	2,400	2,480	2,587	9,558,790	11,100,090
Fenelon Falls-Dam 30—Sturgeon river.....	1,000	1,046	938	1,176,550	1,845,800
High Falls—Mississippi river.....	3,000	3,264	3,318	7,325,640	6,359,520
Carleton Place—Mississippi river.....	400	228	469	840	80,208
Calabogie—Madawaska river.....	5,400	1,729	5,362	5,048,472	5,835,829
Galetta—Mississippi river.....	1,100	690	965	8,800	102,900
Thunder Bay system					
Cameron Falls—Nipigon river.....	73,500	73,100	73,994	269,658,000	300,348,000
Alexander—Nipigon river.....	50,000	53,300	52,547	221,205,600	239,030,400
Northern Ontario properties					
Nipissing district					
Nipissing—South river.....	2,100	2,279	2,205	6,392,080	5,550,880
Bingham Chute—South river.....	1,200	1,314	1,314	2,770,240	3,286,400
Elliott Chute—South river.....	1,700	1,944	1,903	2,916,200	3,826,400
Sudbury district					
Coniston—Wanapitei river.....	5,900	5,429	5,496	20,942,088	22,570,176
McVittie—Wanapitei river.....	2,900	2,882	2,815	17,013,624	16,508,784
Stinson—Wanapitei river.....	7,500	6,166	6,836	21,851,040	20,645,448
Patricia district					
Ear Falls—English river.....	4,000	2,828	3,512	14,160,500	16,032,000
Abitibi district					
Abitibi Canyon—Abitibi river.....	110,000	67,024	103,485	236,413,950	378,646,450
St. Joseph district					
Rat Rapids—Albany river.....	1,000		1,314		3,085,560
Total generated.....	1,348,700	*	*	4,214,921,548	4,561,071,365

*Because the peak loads on the various generating plants and purchased power sources usually occur at different times, the sum of the individual peak loads would not represent the sum of the peak loads on the systems. These, in the case of each system must relate to the maximum load occurring at any one time. Consequently, the column headed "Peak load" is not totalled.

AND PURCHASED—ALL SYSTEMS

POWER PURCHASED

Power source	Contract amount horsepower Oct. 31, 1935	Total purchased	
		1933-34 kilowatt-hours	1934-35 kilowatt-hours
Canadian Niagara Power Co.—25-cycle.....	20,000	95,665,400	77,834,300
Gatineau Power Co.—25-cycle.....	260,000	1,171,560,825*	1,183,389,342*
Ottawa Valley Power Co.....	96,000	222,959,000	298,333,450
Beauharnois Light, Heat & Power Co.....	129,000	355,120,000	409,220,000
MacLaren Quebec Power Co.....	40,000	106,036,000	128,657,000
Canadian Niagara Power Co.—For D.P. & T. 66-cycle system†.....		10,037,000	0
Welland Ship Canal†.....		46,400	0
Campbellford Water & Light Commission.....			0
Cedars Rapids Power Co.§.....		23,157,000	0
M. F. Beach Estate.....	500	980,800	1,049,200
Rideau Power Co.....	487	2,740,700	2,760,700
Ottawa & Hull Power & Mfg. Co.....	20,000	64,078,200	63,033,400
Gatineau Power Co.—60-cycle.....	42,000	152,113,942**	190,684,458**
Orillia Water, Light & Power Commission†.....		—247,600	0
Manitoulin Pulp Co.....	150	168,900	222,300
Abitibi Power & Paper Co.—Espanola.....	547	645,023	2,711,580
Abitibi Power & Paper Co.—Sturgeon Falls†.....		15,725	0
Northern Ontario Power Co†.....		No record	0
Huronian Co.....	300	0	No record
Total purchased.....	608,984	2,205,077,315	2,357,895,730
Power purchased, contract amount, 1935.....		608,984	horsepower
Maximum normal plant capacity, 1935.....		1,348,700	“
Total available capacity generated and purchased, 1935.....		1,957,684	“
Total available capacity generated and purchased, 1934.....		1,956,337	“
Difference (increase).....		1,347	“
Total energy purchased, 1935.....		2,357,895,730	kilowatt-hours
Total energy generated, 1935.....		4,561,071,365	“ “
Total energy generated and purchased, 1935.....		6,918,967,095	“ “
Total energy generated and purchased, 1934.....		6,419,998,863	“ “
Difference (increase).....		498,968,232	“ “

*Includes 335,820,000 kilowatt-hours resold to the Gatineau Power Co. in 1934-35 and 475,519,867 kilowatt-hours in 1933-34.

**Includes 0 kilowatt-hours resold to the Gatineau Power Co. in 1934-35, and 40,916,300 kilowatt-hours in 1933-34.

†Emergency use.

‡Reciprocal arrangement for surplus power.

§Power contract with the Cedars Rapids Power Co. cancelled as of December 31, 1933, but was extended by agreement as a temporary supply on a month-to-month basis until July 31, 1934.

¶Power contract expired December 31, 1933.

CAUTION: The figures for “Maximum normal plant capacity” reflect the capacity of the various plants under the most favourable operating conditions which can reasonably be considered as normal, taking into consideration turbine capacity as well as generator capacity, and also the net operating head and available water supply.

Owing, among other things, to changes in generating equipment due to wear and tear or the replacement of parts, also to changes in limitations governing water levels and effective net heads, the maximum normal plant capacity is not a fixed quantity but is one which must be revised from time to time.

It is particularly important to bear in mind that the column headed “Maximum normal plant capacity” cannot be taken as an indication of the dependable capacity of the various plants; in some cases, it is, but in many cases it is not. Chief among the factors which govern the maximum dependable capacity of a hydraulic power plant and which are not reflected in column headed “Maximum normal plant capacity” are abnormal variations in water supply and operating limitations encountered when plants are so situated on a given stream as to be affected by one another.

36 per cent over the highest pre-depression peak. A load graph is given herein showing the peak loads of all systems combined, and covering the period 1930-1935. By reference to this graph it will be observed that the total load carried by the Commission's lines and plants in 1934 and 1935 was greater than in any previous year.

It should be noted, however, that 28 per cent of the average load in 1935 was made up of large blocks of secondary power.

Primary Load

The primary load on all systems, which has the greatest significance in relation to revenue and general industrial conditions, amounted to approximately 4,972,000,000 kilowatt-hours, an increase of about 343,000,000 kilowatt-hours or 7.4 per cent over the previous year. The peak load (i.e., the sum of all system peak loads) amounted to 1,224,000 horsepower, an increase of 55,000 horsepower or 4.7 per cent.

On the graph showing the peak loads for all systems combined, the lower line shows the peaks of the primary load, month by month. A similar graph appeared in last year's Report covering the years 1930 to 1934 inclusive. The effect of the general business depression on the primary load during 1930-31-32 and the beginning of 1933 is quite apparent, but the upward trend since the spring of 1933 is equally apparent. It will be noted that, allowing for the usual seasonal variations in load, the gain has been fairly constant, and still continues. The primary load for all systems combined at the end of 1935 regained all the losses sustained during the earlier years of the depression, and exceeds the highest primary load ever previously carried.

In interpreting the decreases and increases in load shown by the graph during the period 1930-35, allowance should be made for the inclusion, in 1931, of the Dominion Power division as part of the Niagara system, and for the extension of lines into new territory in Northern Ontario. In other words, not all of the increase in load shown on the graph can be ascribed to improved business conditions.

That the gain in primary load has not been uniform on all systems, is shown by the following table. The figures are based upon the increase in the average primary load of each system as compared with the load of the previous fiscal year.

Niagara system.....	5.0 per cent
Eastern Ontario system.....	6.7 " "
Georgian Bay system.....	4.1 " "
Thunder Bay system.....	16.2 " "
Manitoulin district.....	31.6 " "
Northern Ontario properties—	
Abitibi district.....	68.3 " "
Nipissing district.....	4.7 " "
Sudbury district.....	(-0.1) " "
Espanola district.....	320.0 " "
Patricia district.....	13.2 " "
All systems and districts combined.....	7.4 " "

In most districts in Northern Ontario the large increases are due to expansion of territory and new load, but in the Abitibi district the greater part is due to increases in the loads of customers previously served. Although Espanola and Manitoulin districts show large percentage increases, their actual load is small. The increase of 16 per cent on the Thunder Bay system is partly due to the steady operation in 1935 of paper mills which were only operated

part of the time or closed down entirely in 1934. In the case of the Niagara, Georgian Bay and Eastern Ontario systems the gains may be taken as indicating improved business conditions since there has been relatively little expansion.

For a more detailed study of load conditions on each system, the load graphs given in this section should be consulted. These graphs show both the primary and total load for each system month by month from its inception.



PRUNING CLOSELY-PLANTED TREES

Satisfactory line clearance obtained without mutilation. While the hedge-like appearance of these trees gives an artificial effect, it is the best obtainable under the conditions

Forestry Division

The activities of the Forestry division during the past year were confined principally to maintenance operations to provide clearance for transmission and distribution lines, preservation of trees on station grounds and reforestation of non-revenue producing lands in the Niagara, Georgian Bay and Eastern Ontario systems. Some work was done on new line construction on provincial highways in the Eastern Ontario system. Details and costs are given below.

Transmission Line-Clearing Operations

The year's operations involved 56,665 trees and 486 pole spans of underbrushing, spread over approximately 2,800 miles of power transmission and telephone line. The cost, including all expenditures for labour, material, truck expense and Forestry overhead applicable to the Commission's line-clearing operations, was \$56,664.00.

Description of work	Miles of line cleared	Volume of work performed	Total cost	Average cost
Underbrushing.....	19	486 pole spans	\$ 2,361	\$ c. 4.86 per span
Tree removals.....	....	5,409 trees	9,166	1.69 per tree
Line clearance, pruning and cabling.....	2,826	51,256 trees	45,136	0.88 " "



TREE MUTILATION

The absence of a power line paralleling these trees is evidence that the mutilation of trees cannot always be attributed to pruning for line clearance

Forestry operations have been performed in accordance with the modified pruning program adopted a year ago, and include a systematic examination of all trees along the lines to discover and remove those that are diseased or a menace to life, property and service. The work consists primarily of pruning for the required clearance, a reasonable amount of shaping to improve aesthetic conditions along highways, and cabling trees with structurally weak or splitting crotches.

A comparison of the work performed this year with last year shows a substantial increase in miles of line cleared and a slight reduction in the number of trees which required treatment. This is largely due to the elimination of many of the diseased and dangerous trees, and partly to the natural result of scientific pruning which controls the growth of trees. The reduction in the volume of work required to obtain satisfactory clearance is reflected in the cost of this year's pruning and tree removal operations, which show further economies in the average cost per tree as compared with last year.

Maintenance of Trees on Station Grounds

The treatment of trees on station grounds comprised various kinds of work, such as pruning to remove dead wood or interfering branches, cabling structurally weak and splitting crotches, diagnosis and removal of girdling roots that form a pressure on the major roots and retard circulation, tree surgery to remove decay, fungi, and bacteria, the installation of sectional concrete fillings, and spraying to control scale and leaf-eating insects. This class of work was carried out on the Administrative Office grounds, Queenston



TREE PRESERVATION

Example of tree surgery to preserve a prominent tree on the grounds of one of the Commission's stations

generating station grounds and high-tension station grounds at Strachan Avenue, Bridgman, Leaside, Preston, Kitchener, Cooksville, Essex, York and Ontario Power at Niagara Falls.

Reforestation

Reforestation operations comprised the planting of approximately 73,000 coniferous and deciduous trees on vacant lands owned by the Commission at Eugenia generating station on the Georgian Bay system, Queenston-Chippawa canal on the Niagara system and at Sidney generating station, Trenton, on the Eastern Ontario system, the latter being a new undertaking this year. Details pertaining to the cost, number and species of trees planted are given in the following tabulation.

TREES PLANTED IN REFORESTATION OPERATIONS

Species	Queenston-Chippawa canal		Eugenia generating station		Sidney generating station	
	Trees planted	Total cost	Trees planted	Total cost	Trees planted	Total cost
Mugho Pine.....	50		200		100	
Red Cedar.....	45				100	
White Cedar.....			200		500	
Ground Juniper.....	48					
Scotch Pine.....	400				15,300	
Jack Pine.....	257					
White Spruce.....	50		6,000			
Norway Spruce.....					7,000	
White Pine.....					15,500	
Elm.....	50				10	
Ash.....	50				100	
Poplar.....	50					
Larch.....			1,000			
Red Pine.....			6,000		20,000	
Totals.....	1,000	\$186	13,400	\$308	58,610	\$497

Unfortunately about fifty per cent of the trees planted on the Sidney reforestation project were destroyed by fire last August. During a high wind, burning particles from a fire on the east side of the river were carried across the river to the area reforested and started a grass fire which swept over the south half of the property. Reforestation of the burned area will be undertaken next spring.

Work for Municipal Hydro Systems

A survey of trees affecting local distribution lines owned and operated by municipal Hydro systems was made in fourteen municipalities. In one instance the Parks department requested the local Hydro manager to survey all street trees under its jurisdiction. A report was made giving an analysis of the trees, the extent and cost of the work required and recommendations as to the most economical and satisfactory method of handling the operation on an annual budget, with the cost stabilized over a period of years.

Line-clearing operations were performed by the Forestry division for twelve municipalities. The work involved 4,236 trees spread over 70 miles of distribution line and cost \$3,695, or an average of 87 cents per tree. Details of expenditures and work done for municipalities in each of the three systems are shown in the following tabulation. The number of linemen trained in certain municipalities is also recorded. The cost of training the linemen is included in the cost of line clearing operations.

FORESTRY WORK FOR HYDRO MUNICIPALITIES

System	Number of municipalities	Number of men trained	Number of trees				Total cost	Aver. cost per tree
			Cabled	Re-moved	Pruned	Total		
Niagara.....	8	12	4	1	2,403	2,404	\$ c. 2,078.19	\$ c. 0.86
Georgian Bay.....	2		9	22	1,102	1,124	1,038.57	0.92
Eastern Ontario.....	2	5	5	7	701	708	578.53	0.81
Total.....	12	17	18	30	4,206	4,236	3,695.29	0.87



A SPECIMEN TREE

A beautiful old pine on the Trent River Road near Campbellford. Unmolested by human hands



TREE HAZARD

A badly decayed tree at the intersection of two important and heavily travelled highways. A constant menace to life, property and service

In view of the large number of trees that require pruning to provide clearance for municipal distribution lines and the hazardous nature of such work along energized lines, it was thought advisable to offer a course of training to those municipal Hydro systems which employ a line maintenance staff. The training consisted of a lecture, illustrated by charts, on the structural growth and habits of trees, and an explanation of the safety rules adopted for the Commission's staff. Practical instructions were given in the use of rope slings in place of safety belts and spurs, in scientific pruning methods for clearance, shaping, cabling and tree diagnosis, in the use and care of tools, and disposal of brush. The importance of obtaining permission from property owners and municipal authorities was explained, and advice given as to the procedure to be followed.

The Parks department in one municipality arranged with the local Hydro commission to have employees placed in the Forestry squad for training.

Thanks are extended to the Department of Highways, to county, township and municipal road officials and to the Ontario Forestry branch for their co-operation.

Radio Communication

The Commission's short-wave radio stations at Toronto and in the generating stations at Cameron Falls, Ear Falls and Rat Rapids have all operated satisfactorily without any major repairs or renewals.

This equipment provides the only means of communication with the plants at Ear Falls and Rat Rapids during periods in the spring and fall when, owing to seasonal climatic conditions, mail and transportation services from these points are suspended.

NIAGARA SYSTEM

Generating Stations

Queenston Station

The equipment in this station gave satisfactory service during the year. Regular schedules of inspection were maintained on all electrical, mechanical and hydraulic apparatus, and necessary repairs and replacements made.

Each main unit was removed from service for inspection and necessary maintenance during the summer when the load is usually light, as noted below:

Number	1	unit from	June 3 to June 12,
"	2	" "	July 2 to July 12,
"	3	" "	July 15 to August 1,
"	4	" "	June 17 to June 27,
"	5	" "	September 5 to September 17,
"	6	" "	August 20 to August 30,
"	7	" "	May 2 to May 17,
"	8	" "	May 20 to May 31,
"	9	" "	August 6 to August 30,
"	10	" "	September 23 to October 8

During the above periods each generator, turbine and draft tube was carefully examined. Turbine runners were built up with stainless steel by welding where erosion had occurred, bearings were refitted or renewed, generators were cleaned and painted, and collector rings were trued up or replaced.

In addition to the above work the circuit breakers, transformers, reactors, meters, relays, busses, and all other associated auxiliary equipment were inspected and cleaned, and replacements made where necessary, while the main units were out of service.

Station service unit "A" was out of service from April 2 to April 25 for general inspection and overhaul. Service unit "B" was shut down on October 10, for the same purpose, but the work was not completed by October 31.

The necessary equipment for automatic frequency and load control, a development from research work in the University of Toronto, was installed on units number 4 to 10 inclusive. This control has been in service since November, 1934, and has proved to be of considerable operating value. It automatically holds the frequency constant and thereby assists in maintaining the desired output from other generating stations feeding power into the system. Its characteristics have proved beneficial in restoring normal frequency after an electrical disturbance. This accurate automatic control is of great benefit to industrial customers requiring close speed regulation on rotating machines.

Due to the large amount of grinding and welding necessary in the up-keep of turbine runners, a section of the power-house adjacent to the assembly bay was closed in for this work, and a ventilating system installed to collect dust and abrasives. Formerly work of this nature was carried out in the open power-house and the dust and abrasives were causing damage to equipment. The ventilating system was extended to serve the machine shop.

As this station is situated below the river bank, the cliff above was thoroughly scaled to remove loose rock and earth.

The usual routine inspection and repairs were made to canal bridges, retaining walls and drainage courses along the canal.

Ontario Power Station

No difficulties were encountered in the operation of this station during the year. Number 7 generator was out of service from August 13 to 25 to repair a failure in the armature winding which however did not cause any interruption to service.

Each generating unit and its associated equipment was removed from service for inspection as noted below:

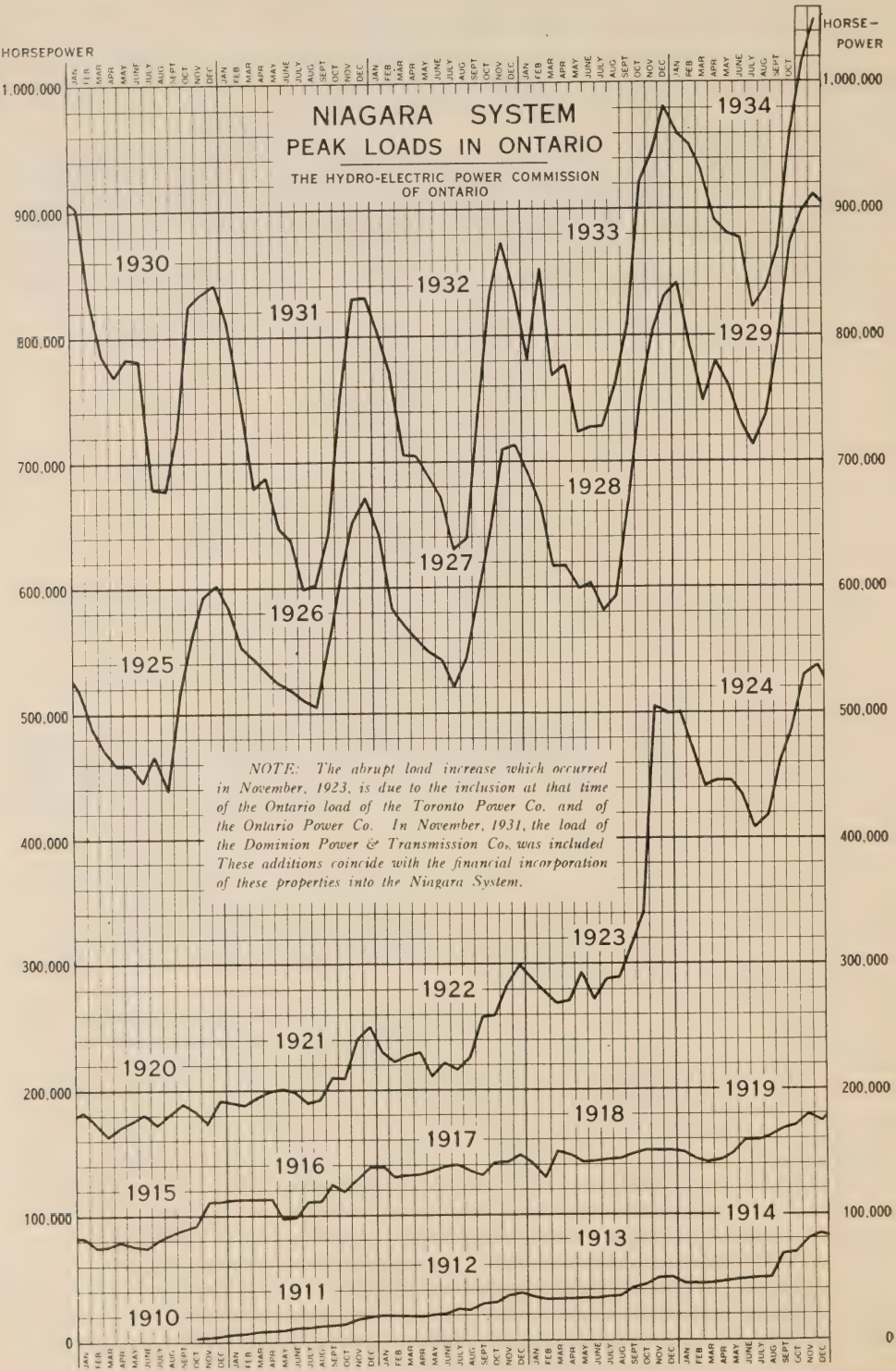
Number	1	unit from	July 13 to July 30,
"	2	" "	July 12 to July 30
"	3	" "	July 18 to July 30,
"	4	" "	July 12 to July 30,
"	5	" "	July 12 to August 1,
"	6	" "	July 6 to July 30,
"	7	" "	June 25 to June 28
"	8	" "	July 8 to July 13,
"	9	" "	July 31 to August 6,
"	10	" "	{August 12 to August 16, {October 3 to October 8,
"	11	" "	August 6 to August 10.
"	12	" "	June 29 to July 5,
"	13	" "	August 22 to August 28.

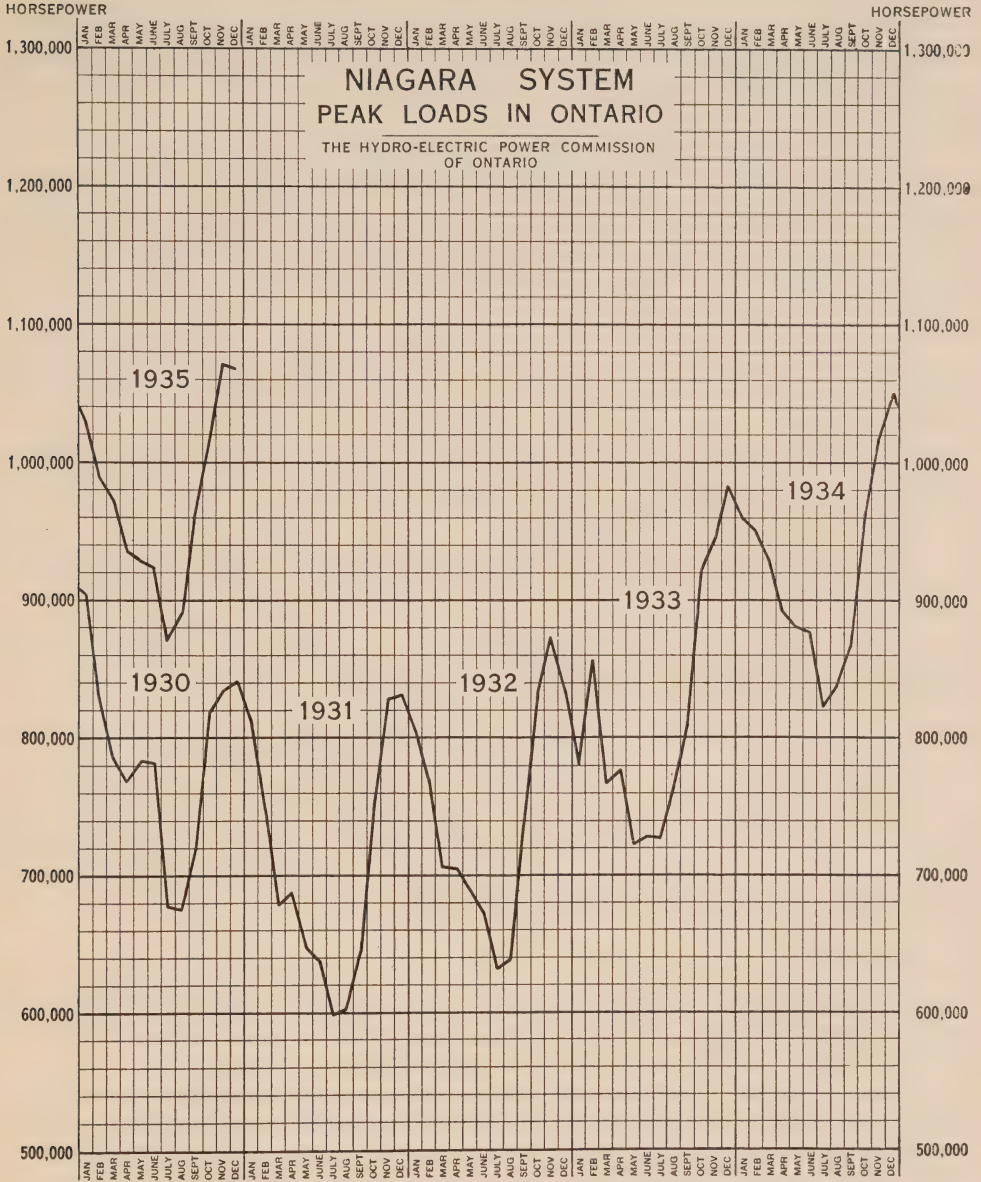
During the above periods turbines were inspected and minor repairs carried out. Spare runners were installed in number 15 unit; generator windings were cleaned, inspected and painted; stator coils in number 10 generator were tightened; all associated equipment, including meters and relays, was examined and repaired where necessary.

Number 1 conduit was unwatered on November 3, 1934, for inspection and temporary repair of number 4 penstock valve, and again on July 13 to replace the seal ring of number 4 valve and install new operating mechanisms on valves number 1, 2 and 4, which were fabricated last year. The conduit was returned to service on July 29.

The cleaning of penstocks and application of rust preventing material, as mentioned last year, was continued, and all horizontal sections were completed. The vertical sections were still under treatment at the end of the year.

Lower lake levels, which have prevailed for some time, have resulted in an increased amount of ice being carried into the outer forebay. To take care of this additional ice, the ice spillway at the north end of the screenhouse and the lower end of the spillway from the inner forebay are being extended. These are now being made as wide and deep as the building will permit. When this work is completed the improved ice spillways are expected to dispose of most of the ice getting into the forebay during low lake levels. They will also facilitate the passing of the ice during normal lake levels. This change will render unnecessary much of the blasting which has been required to break up and dislodge ice which formerly accumulated in the forebay. Risk of damage to the piers and walls of the screenhouse from blasting will be lessened.





NOTE: This diagram is a continuation of that on facing page

The extending of the spillway necessitated building a coffer-dam and pumping out the north end of the screenhouse. Advantage was taken of this condition to repair one of the main supporting piers in this section of the screenhouse.

All necessary maintenance was carried out on buildings, roads, station grounds and service equipment.

Toronto Power Station

All the equipment in this plant gave satisfactory service. Number 7 generator was out of service from August 31 to October 8 to repair a coil failure in the generator armature winding. This failure did not cause an interruption in power delivery to customers.

The regular schedule of inspection and repair on all equipment was followed. Number 1 unit, which was out of service for general overhaul as of November 1, 1934, was returned to service on July 17, 1935. Considerable difficulty was experienced in the repair of one of the turbine runners by welding due to the high zinc content of the bronze. This was finally overcome by the use of an atomic welding torch.

Generators number 1 and 7 were inspected, the windings cleaned and varnished; the stator coils on number 1 machine were replaced and spacing blocks tightened.

Turbine governors on units number 1, 8 and 11 were overhauled, links, pins and bearings refitted and heads balanced. Stay bolts in 3, 4 and 7 turbines and number 4 draft tube were welded.

Guide bearings on units 1, 5, 7, 9 and 11 were refitted where required, and the spare set of distributors for turbines 8 to 11 were repaired by welding.

The main tail-race tunnel was unwatered on June 23 for inspection, and was found in good condition. There was no further indication of cracking in the floor as a result of the pressure of the sidewalls.

Two of the three water service pumps supplying the generating and transformer stations were overhauled during the year.

A 6,000-kv-a transformer, which failed in service in 1931, was repaired and returned to service on October 31, as its capacity was required for service in the Niagara area. All electrolytic lightning arresters were dismantled, trays were cleaned and reassembled with new electrolyte.

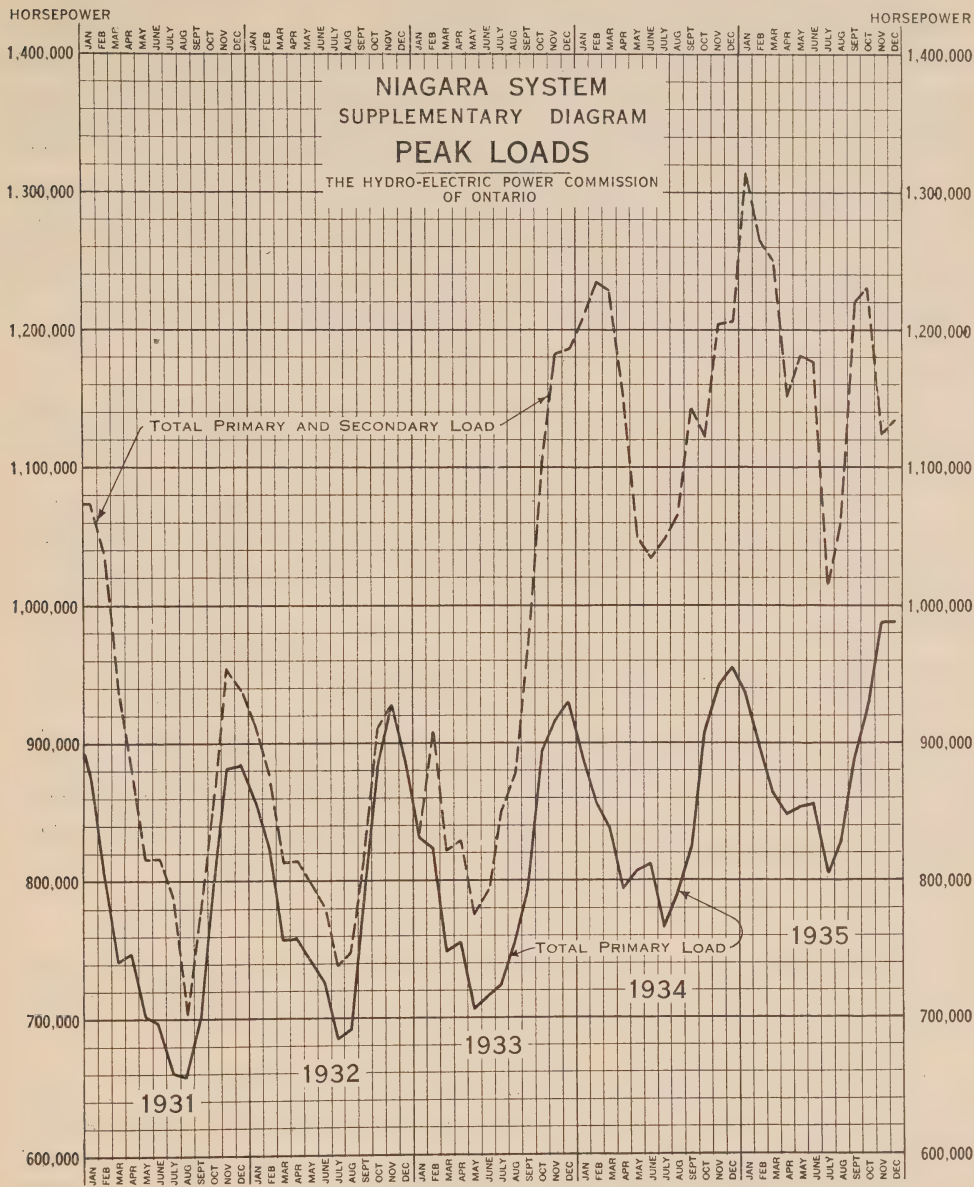
Chats Falls Station—Ottawa River

The performance of all equipment at this station was satisfactory. All routine inspection and general maintenance was carried out in accordance with the regular schedule.

The earth-filled portion of the dam was inspected, all holes in the rip-rap were filled, and the earth surface re-seeded, to prevent erosion. Some 1,200 sunken logs were removed from in front of the trash racks in the forebay. These had accumulated as a result of the extensive logging operations of past years on the Ottawa river.

All exposed steelwork on the powerhouse, dam, sluice gates and railway bridges was painted for protection, and the railway siding and roadway were repaired.

The stream flow of the Ottawa river was distributed more uniformly throughout the past year, as a result of the storage water available and the abnormal rains during the month of June. The minimum river flow of approximately 20,500 c.f.s. occurred during September, while the maximum, of approximately 81,500 c.f.s., occurred on May 5, during the spring run-off.



SUPPLEMENTARY DIAGRAM—NIAGARA SYSTEM PEAK LOADS

Notes

TOTAL PRIMARY LOAD: Primary power is power which the Commission is under contractual obligation to supply and for which it is obligated to hold in reserve adequate capacity. The graph above includes only the actual delivery of such power, and does not include the amount by which the primary power contracts exceed actual deliveries.

TOTAL PRIMARY AND SECONDARY LOAD: Includes, in addition to the primary load, at-will power which the Commission is under no obligation to hold in reserve. Such power has been sold in Ontario and exported to Quebec and the United States. The above graph includes all secondary power and therefore differs from the graphs on pages 18 and 19 which show only the load in Ontario.

Synchronizing equipment was installed on all 220,000-volt lines to facilitate rapid restoration of service after a line outage.

The east end of the generating station was extended over the space left for an additional turbine unit, and a 45,000-kv-a vertical, 25-cycle to 60-cycle, frequency-changer set installed to supply power to the Eastern Ontario system of the Commission. This set was made available for service on October 13, 1935.

The construction of eight additional houses near the plant was started in order to provide accommodation for those permanent employees who have been living in temporary buildings erected on Victoria island during the construction of the plant. When completed this settlement will have fourteen houses with modern conveniences, community garages and an ice-house.

DeCew Falls Station

The DeCew Falls station operated continuously throughout the year, there being no failure of main equipment. Regular inspections and routine maintenance were carried out on schedule.

Two bridges were redecked, several were painted, and one over the intake channel at Allanburg was replaced by the Provincial Highways department. All roads were properly maintained, and stone rip-rap was placed on the channel banks where erosion was indicated.

The 9,000-kv-a frequency-changer set, situated at Niagara Falls and supplied from the Toronto Power generating station, operated as a base load unit at 96 per cent capacity factor during the year.

The Hamilton steam station was operated as a standby reserve on the system. It was called for service on one occasion in January, due to ice trouble at the DeCew Falls plant. Steam supplied for commercial purposes increased somewhat during the year. All equipment was inspected and routine repairs carried out where necessary.

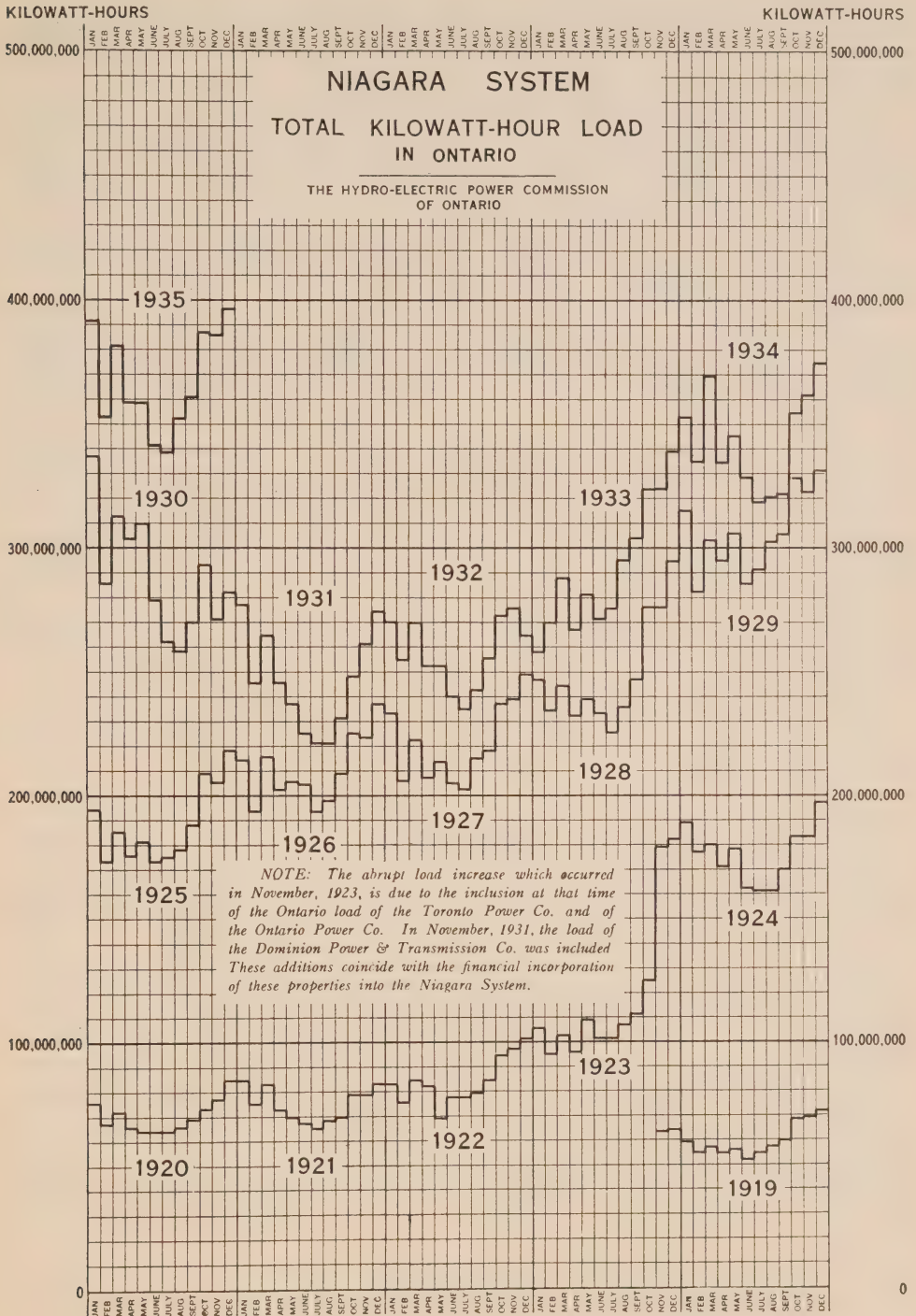
Transmission

The 220,000-volt circuits transmitting power from the Chats Falls, Beauharnois, Masson and Pagan plants to Leaside station, Toronto, operated satisfactorily, and no service difficulties were encountered.

On one occasion, due to lightning, the switches opened on each of the three 220,000-volt circuits, and the load was carried over the 110,000-volt lines from Queenston until the 220,000-volt supply was restored. There were nine single-circuit outages, eight of which were caused by lightning and one by a tree felled into the Gatineau Power Company's section of the line. No damage occurred at the time of these outages, the lines being immediately returned to service.

The inspection of all 220,000-volt towers, including the tightening of bolts and installation of special lock nuts, started in 1933, was completed. All brush under and in the immediate vicinity of the lines was cut. This work covered an area of about 5,100 acres. Some nine miles of patrol roads were constructed.

The 110,000-volt transmission circuits were operated during the year in two individual groups. There were three total interruptions on one group, and



no total interruption on the other group. Extensive changes were made in the set-up of the circuits between Niagara Falls and Toronto to provide maximum capacity and flexibility, as the power delivered from Quebec companies was reduced.

Regular patrol and maintenance was carried out. Insulators were tested on 196 miles of line and defective units removed. The ground angles (footings) on 471 McGuigan-type towers between Allenburg Junction and Dundas were inspected and re-inforced where necessary.

Conductors were examined at various points for vibration damage and dampers were installed on the circuit between East Hamilton and Stirton Street station (Hamilton).

The operating telephone lines of the Niagara system were regularly patrolled and maintained. Approximately 120 miles of line were given a general overhaul and the circuits between St. Thomas and Chatham were retransposed for a phantom circuit.

On the Dominion Power transmission lines there were no total interruptions to service, although there were seven instances, totalling 31 minutes, in which service to Hamilton, Brantford and Oakville was interrupted by uncontrollable causes. In order to provide a second line of supply to Oakville a second circuit on the steel-tower line between Nelson Junction and Oakville was placed in service on December 16.

Regular patrol and maintenance was carried out on all lines, insulators were inspected and all defective units replaced. Poles were straightened and 53 towers were painted.

In order that defective circuits will be automatically removed from service, high-speed relays, with necessary equipment, were placed in service on all 44,000-volt lines on July 10.

Transformation

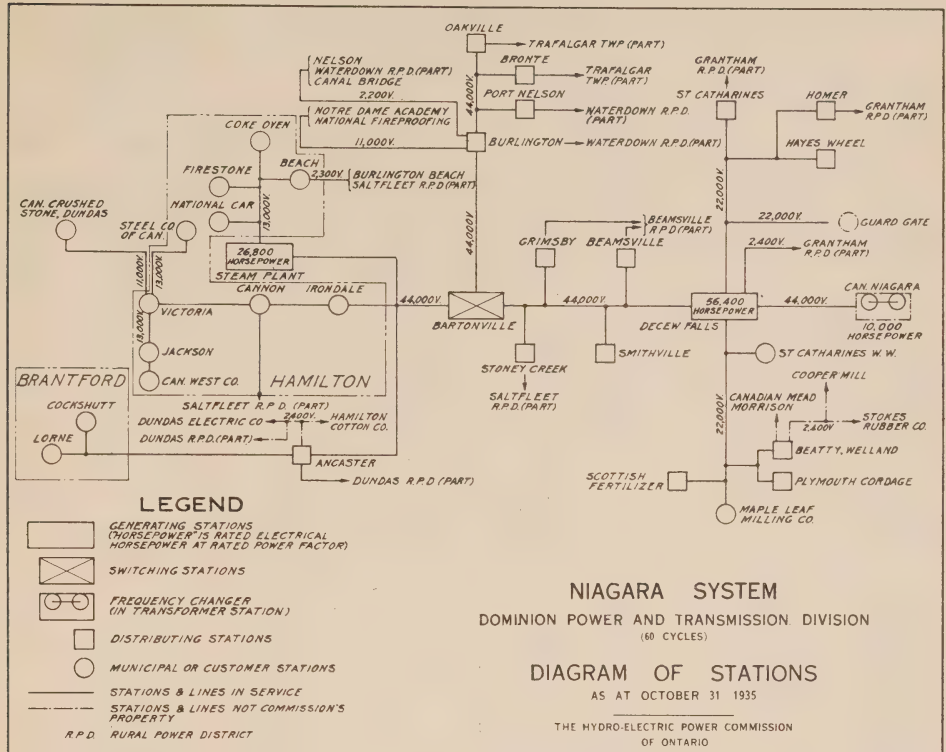
The 220,000/110,000/13,200-volt Leaside transformer station operated without difficulty during the year. The synchronous condenser which failed last year was completely re-wound and returned to service on July 2.

All stations on the 110,000-volt system gave satisfactory service. A 7,500-kv-a transformer at the Cyanamid station, which failed on July 15, was repaired and returned to service. Repairs on the 5,000-kv-a transformer at London, mentioned last year, were completed. Three 2,500-kv-a transformers at Woodstock are being rebuilt with modern bracing, one unit being completed.

All outdoor breakers were given two inspections, and repaired where necessary; indoor breakers received one complete overhaul. Lightning arresters were overhauled at Toronto (Strachan Avenue), Cooksville, Preston, Stratford, St. Marys, Dundas and Essex stations.

Distribution

A new low-tension distribution station at Port Nelson was placed in service. Transformer capacity was increased in Dashwood, Aylmer Rural, St. Thomas Rural, St. Williams and Islington stations.



There were seven failures of low-tension transformers, all of which were repaired by the field maintenance staff. All oil-circuit breakers were inspected, and repairs and re-adjustments were made where necessary. Lightning arresters were overhauled at New Hamburg, Toronto (Campbell Avenue), Paris Municipal station and at Canadian Industries Limited, Windsor.

No unusual difficulties were encountered in the operation of the low-tension lines, but severe summer storms caused the breaking of short sections of lines in the Niagara Falls and St. Clair areas.

Part of the circuits in the Kitchener and Stratford districts were given an extensive overhaul, and the conductor on the line from Mitchell Junction to Mitchell was restrung. The circuits from London to Strathroy were re-insulated for 26,000-volt service. Railway and wire crossings were made standard in the St. Clair and St. Thomas areas, and similar work is under way in the Cooksville district.

Ground line treatment to preserve poles, was continued, some 6,500 poles were uncovered at the ground line, cleaned, and sprayed with creosote.

A new 13,200-volt line to the Burlington Steel Company, Hamilton, was placed in service during the year.

NIAGARA SYSTEM—LOADS OF MUNICIPALITIES, 1933-34-35

Municipality	Peak load in horsepower			Change in load 1934-35	
	Oct. 1933	Oct. 1934	Oct. 1935	Decrease	Increase
Acton.....	832.6	1,044.9	1,125.7		80.8
Agincourt.....	116.6	128.0	147.4		19.4
Ailsa Craig.....	88.6	77.3	89.8		12.5
Alvinston.....	82.8	85.6	89.4		3.8
Amherstburg.....	616.6	593.5	707.2		113.7
Ancaster Township.....	283.8	250.6	282.7		32.1
Arkona.....	45.4	46.9	48.2		1.3
Aurora.....	1,030.1	981.2	1,016.0		34.8
Aylmer.....	469.1	490.6	487.9	2.7	
Ayr.....	157.5	157.5	167.0		9.5
Baden.....	241.7	250.2	268.2		18.0
Beachville.....	387.4	376.6	395.4		18.8
Belle River.....	119.3	126.5	127.3		0.8
Blenheim.....	353.9	383.4	374.0	9.4	
Blyth.....	87.4	86.7	85.8	0.9	
Bolton.....	137.7	109.7	125.0		15.3
Bothwell.....	104.4	99.4	109.3		9.9
Brampton.....	2,075.2	1,991.1	2,168.8		177.7
Brantford.....	12,728.7	13,212.6	14,023.8		811.2
Brantford Township.....	605.6	602.3	594.9	7.4	
Bridgeport.....	85.5	118.8	105.9	12.9	
Brigden.....	89.1	72.5	66.7	5.8	
Brussels.....	108.8	107.9	103.2	4.7	
Burford.....	115.5	131.3	139.7		8.4
Burgessville.....	54.1	30.5	31.5		1.0
Caledonia.....	327.7	377.7	341.6	36.1	
Campbellville.....	24.2	26.2	26.8		0.6
Cayuga.....	112.6	111.2	116.6		5.4
Chatham.....	4,258.1	4,587.7	4,821.4		233.7
Chippawa.....	215.3	258.4	258.1	0.3	
Clifford.....	61.5	61.9	64.0		2.1
Clinton.....	374.5	394.7	395.4		0.7
Comber.....	164.0	191.7	116.6	75.1	
Cottam.....	58.0	64.3	62.3	2.0	
Courtright.....	38.4	40.2	37.2	3.0	
Dashwood.....	40.0	37.9	61.9		24.0
Delaware.....	35.1	39.9	43.1		3.2
Dorchester.....	95.7	76.1	103.1		27.0
Drayton.....	86.7	91.1	92.1		1.0
Dresden.....	280.0	288.9	289.9		1.0
Drumbo.....	66.3	66.5	66.0	0.5	
Dublin.....	42.9	31.7	36.4		4.7
Dundas.....	1,276.1	1,329.1	1,495.2		166.1
Dunnville.....	907.7	853.3	930.3		77.0
Dutton.....	211.9	209.2	206.1	3.1	
East Windsor.....	2,277.4	2,530.8	2,943.7		412.9
Elmira.....	557.6	544.2	680.9		136.7
Elora.....	291.4	295.3	287.5	7.8	
Embro.....	104.5	88.2	86.0	2.2	
Erieau.....	72.6	62.7	67.0		4.3

NIAGARA SYSTEM—LOADS OF MUNICIPALITIES, 1933-34-35—Continued

Municipality	Peak load in horsepower			Change in load 1934-35	
	Oct. 1933	Oct. 1934	Oct. 1935	Decrease	Increase
Erie Beach.....	6.4	11.9	8.0	3.9	
Essex.....	361.9	340.5	404.8		64.3
Etobicoke Township.....	3,621.4	4,194.3	4,449.0		254.7
Exeter.....	382.0	396.8	420.3		23.5
Fergus.....	705.0	833.7	882.7		49.0
Fonthill.....	133.2	138.1	145.5		7.4
Forest.....	320.6	337.8	331.1	6.7	
Galt.....	5,858.7	5,615.8	5,988.5		372.7
Georgetown.....	978.3	987.9	1,089.8		101.9
Glencoe.....	163.7	164.9	166.7		1.8
Goderich.....	991.9	938.3	947.3		9.0
Granton.....	96.5	102.1	100.0	2.1	
Guelph.....	7,812.3	8,207.0	8,688.3		481.3
Hagersville.....	418.2	810.2	521.5	288.7	
Hamilton.....	83,832.3	87,983.6	98,859.8		10,876.2
Harriston.....	247.2	269.7	271.0		1.3
Harrow.....	332.7	387.4	376.6	10.8	
Hensall.....	121.6	145.1	152.4		7.3
Hespeler.....	1,879.7	1,713.8	1,901.4		187.6
Highgate.....	69.0	90.3	64.3	26.0	
Humberstone.....	386.7	367.8	365.6	2.2	
Ingersoll.....	1,969.0	1,860.4	2,076.7		216.3
Jarvis.....	150.1	158.7	148.5	10.2	
Kingsville.....	431.6	420.9	447.4		26.5
Kitchener.....	15,000.6	16,469.5	16,976.5		507.0
Lambeth.....	94.9	109.2	101.8	7.4	
La Salle.....	199.0	192.1	197.3		5.2
Leamington.....	1,327.0	1,253.3	1,284.2		30.9
Listowel.....	808.3	811.0	887.4		76.4
London.....	30,201.2	30,281.0	31,876.0		1,595.0
London Township Voted Area.....	358.5	410.6	449.8		39.2
Long Branch.....	733.9	733.9	761.4		27.5
Lucan.....	136.0	131.0	121.3	9.7	
Lynden.....	66.3	69.8	82.0		12.2
Markham.....	211.8	236.2	233.9	2.3	
Merlin.....	66.7	74.0	75.0		1.0
Merritton.....	2,765.1	3,140.4	3,368.3		227.9
Milton.....	804.4	527.6	604.6		77.0
Milverton.....	295.6	252.0	261.4		9.4
Mimico.....	2,218.5	2,347.1	2,426.3		79.2
Mimico Asylum.....	100.0	100.0	175.0		75.0
Mitchell.....	433.8	411.5	415.5		4.0
Moorefield.....	45.5	45.5	50.0		4.5
Mount Brydges.....	79.6	93.8	97.5		3.7
Newbury.....	40.6	41.5	48.5		7.0
New Hamburg.....	399.1	393.8	395.4		1.6
Newmarket.....	1,285.5	1,273.4	1,300.2		26.8
New Toronto.....	4,790.8	5,565.7	5,942.3		376.6
Niagara Falls.....	9,135.6	8,665.9	9,241.3		575.4
Niagara-on-the-Lake.....	546.1	559.0	506.0	53.0	

NIAGARA SYSTEM—LOADS OF MUNICIPALITIES, 1933-34-35—Continued

Municipality	Peak load in horsepower			Change in load 1934-35	
	Oct. 1933	Oct. 1934	Oct. 1935	Decrease	Increase
Norwich.....	308.3	304.9	358.6		53.7
Oil Springs.....	159.3	179.8	188.4		8.6
Ontario Agricultural College.....	469.1	485.2	477.2	8.0	
Ontario Central Reformatory.....	243.9	256.7	247.4	9.3	
Otterville.....	84.3	92.9	91.6	1.3	
Palmerston.....	437.5	396.0	420.3		24.3
Paris.....	1,197.2	1,132.8	1,262.2		129.4
Parkhill.....	124.2	128.9	128.9		
Petrolia.....	685.8	677.8	714.3		36.5
Plattsville.....	60.2	52.2	55.3		3.1
Point Edward.....	636.7	467.8	1,060.3		592.5
Port Colborne.....	1,420.9	1,422.2	1,405.9	16.3	
Port Credit.....	611.2	688.5	658.2	10.3	
Port Dalhousie.....	503.7	502.7	523.8		21.1
Port Dover.....	296.5	297.8	321.6		23.8
Port Rowan.....	67.1	64.3	63.0	1.3	
Port Stanley.....	261.5	240.1	215.9	24.2	
Preston.....	2,461.1	2,341.4	2,577.0		235.6
Princeton.....	98.8	85.9	95.4		9.5
Queenston.....	80.7	112.8	103.6	9.2	
Richmond Hill.....	293.1	304.3	340.5		36.2
Ridgetown.....	446.4	397.7	467.8		70.1
Riverside.....	1,104.9	1,073.0	911.8	161.2	
Rockwood.....	89.8	92.5	91.1	1.4	
Rodney.....	131.1	121.9	123.2		1.3
St. Catharines.....	7,854.2	8,852.4	10,270.3		1,417.9
St. Clair Beach.....	72.6	57.6	71.4		13.8
St. George.....	129.3	138.8	164.3		25.5
St. Jacobs.....	151.4	146.9	274.8		127.9
St. Marys.....	1,225.7	1,259.2	1,314.1		54.9
St. Thomas.....	6,179.6	5,986.5	6,246.6		260.1
Sandwich.....	2,956.2	2,743.0	2,980.5		237.5
Sarnia.....	7,581.1	7,397.9	7,558.9		161.0
Scarboro Township.....	2,981.5	3,099.2	3,281.5		182.3
Seaforth.....	408.8	485.7	518.7		33.0
Simcoe.....	1,613.9	1,705.2	1,675.7	29.5	
Springfield.....	59.0	60.0	85.7		25.7
Stamford Township.....	1,819.0	1,913.0	1,966.2		53.2
Stouffville.....	167.9	183.3	196.8		13.5
Stratford.....	6,530.9	6,562.9	6,436.0	126.9	
Strathroy.....	946.4	920.9	971.8		50.9
Sutton.....	153.5	147.8	151.8		4.0
Tavistock.....	424.6	444.5	471.8		27.3
Tecumseh.....	294.7	290.0	371.0		81.0
Thamesford.....	159.5	176.2	155.0	21.2	
Thamesville.....	163.5	165.7	188.4		22.7
Thedford.....	127.0	143.0	135.1	7.9	
Thorndale.....	36.4	37.8	42.0		4.2
Thorold.....	1,914.6	1,782.1	1,953.6		176.5
Tilbury.....	398.1	331.1	558.9		227.8

NIAGARA SYSTEM—LOADS OF MUNICIPALITIES, 1933-34-35—Concluded

Municipality	Peak load in horsepower			Change in load 1934-35	
	Oct. 1933	Oct. 1934	Oct. 1935	Decrease	Increase
Tillsonburg.....	900.1	843.1	870.5		27.4
Toronto.....	269,144.8	280,525.4	297,723.8		17,198.4
Toronto Township.....	1,793.7	1,936.7	2,034.8		98.1
Walkerville.....	5,336.4	6,132.7	9,076.3		2,943.6
Wallaceburg.....	1,888.7	1,821.6	1,829.8		8.2
Wardsville.....	34.3	32.7	30.8	1.9	
Waterdown.....	201.0	196.2	206.4		10.2
Waterford.....	399.4	322.4	362.4		40.0
Waterloo.....	2,668.9	2,729.2	2,864.6		135.4
Watford.....	185.0	192.5	187.6	4.9	
Welland.....	3,918.2	3,758.7	3,745.7	13.0	
Wellesley.....	94.7	95.2	119.0		23.8
West Lorne.....	98.6	97.0	107.2		10.2
Weston.....	2,790.8	2,706.4	2,955.8		249.4
Wheatley.....	123.7	117.1	129.3		12.2
Windsor.....	20,550.3	19,979.4	20,471.0		491.6
Woodbridge.....	261.4	304.7	340.5		35.8
Woodstock.....	4,950.4	4,731.9	5,073.7		341.8
Wyoming.....	75.2	65.8	64.6	1.2	
York, East, Township.....	5,330.7	5,656.4	5,826.0		169.6
York, North, Township.....	2,890.0	3,188.8	3,258.7		69.9
Zurich.....	64.8	71.4	68.6	2.8	

NIAGARA SYSTEM—LOADS OF NEW MUNICIPALITY

Municipality	Date Connected	Initial load	Oct. 1935	Change in load	
				Decrease	Increase
Streetsville.....	Dec. 13, 1934	124.6	99.8	24.8	

NIAGARA SYSTEM—RURAL POWER DISTRICT LOADS, 1933-34-35

Rural power district	Peak load in horsepower			Change in load 1934-35	
	Oct. 1933	Oct. 1934	Oct. 1935	Decrease	Increase
Acton.....	10.0	10.0	11.0		1.0
Ailsa Craig.....	5.6	5.6	6.4		0.8
Alvinston.....	3.2	3.1	3.1		
Amherstburg.....	496.7	412.0	483.6		71.6
Aylmer.....	291.1	317.5	313.3	4.2	
Ayr.....	42.5	42.5	43.5		1.0
Baden.....	367.1	378.2	416.7		38.5
Beamsville.....	1,030.7	1,043.7	1,111.3		67.6
Belle River.....	220.0	172.3	194.0		21.7
Blenheim.....	118.5	144.2	163.8		19.6
Bond Lake.....	926.4	999.2	1,179.3		180.1
Bothwell.....	89.0	99.4	196.5		97.1
Brampton.....	130.0	132.7	147.6		14.9
Brant.....	434.4	490.4	498.1		7.7
Brigden.....	31.5	35.2	46.6		11.4

NIAGARA SYSTEM—RURAL POWER DISTRICT LOADS, 1933-34-35—Continued

Rural power district	Peak load in horsepower			Change in load 1934-35	
	Oct. 1933	Oct. 1934	Oct. 1935	Decrease	Increase
Burford.....	170.5	148.0	154.6		6.6
Caledonia.....	300.5	323.2	372.2		49.0
Chatham.....	473.5	479.2	468.6	10.6	
Chippawa.....	99.2	122.5	122.8		0.3
Clinton.....	121.7	122.6	128.2		5.6
Delaware.....	299.5	285.8	316.6		30.8
Dorchester.....	269.2	312.0	340.1		28.1
Dresden.....	42.2	43.3	38.9	4.4	
Drumbo.....	59.0	95.4	77.5	17.9	
Dundas.....	582.6	695.7	741.4		45.7
Dunnville.....	42.0	39.0	41.5		2.5
Dutton.....	126.0	127.3	133.1		5.8
Elmira.....	70.2	79.7	82.1		2.4
Elora.....	98.2	104.2	111.2		7.0
Essex.....	189.6	199.6	217.4		17.8
Exeter.....	235.3	252.7	239.2	13.5	
Forest.....	28.0	28.0	36.8		8.8
Galt.....	181.3	184.7	200.5		15.8
Georgetown.....	124.9	132.7	147.4		14.7
Goderich.....	84.2	84.2	110.3		26.1
Grantham.....	611.1	630.1	629.1	1.0	
Guelph.....	411.5	434.1	491.4		57.3
Haldimand.....	164.0	200.6	225.1		24.5
Harriston.....	20.0	16.6	20.1		3.5
Harrow.....	323.6	286.8	287.4		0.6
Ingersoll.....	337.8	369.7	427.2		57.5
Jordan.....	282.0	324.8	321.9	2.9	
Keswick.....	395.8	350.0	249.5	100.5	
Kingsville.....	453.5	500.3	480.8	19.5	
Listowel.....	132.7	140.2	174.2		34.0
London.....	1,523.7	1,559.0	1,848.6		289.6
Lucan.....	60.2	52.0	55.3		3.3
Lynden.....	166.5	173.2	177.2		4.0
Markham.....	423.8	407.3	466.2		58.9
Merlin.....	177.5	167.0	212.1		45.1
Milton.....	140.0	181.6	175.6	6.0	
Milverton.....	65.5	84.3	83.1	1.2	
Mitchell.....	172.2	185.0	190.4		5.4
Newmarket.....	225.3	267.1	260.6	6.5	
Niagara.....	395.9	527.0	611.7		84.7
Norwich.....	241.3	252.3	306.2		53.9
Oil Springs.....	45.5	39.9	37.7	2.2	
Palmerston.....	48.0	54.7	52.8	1.9	
Petrolia.....	25.3	25.3	29.3		4.0
Preston.....	854.7	830.2	948.3		118.1
Ridgetown.....	227.9	258.8	271.1		12.3
St. Jacobs.....	268.8	239.5	249.8		10.3
St. Marys.....	183.8	194.6	220.5		25.9
St. Thomas.....	483.2	629.4	700.4		71.0
Saltfleet.....	966.1	962.1	1,058.0		95.9

NIAGARA SYSTEM—RURAL POWER DISTRICT LOADS, 1933-34-35—Concluded

Rural power district	Peak load in horsepower			Change in load 1934-35	
	Oct. 1933	Oct. 1934	Oct. 1935	Decrease	Increase
Sandwich.....	908.0	940.6	1,030.9		90.3
Sarnia.....	485.3	491.1	490.7	0.4	
Scarboro.....	358.4	371.7	397.4		25.7
Seaforth.....	53.2	53.7	63.7		10.0
Simcoe.....	205.4	229.1	249.6		20.5
Stamford.....	156.5	194.3	176.6	17.7	
Stratford.....	104.6	116.9	158.6		41.7
Strathroy.....	93.2	109.6	115.0		5.4
Streetsville.....	251.1	318.4	360.6		42.2
Tavistock.....	153.6	169.7	205.0		35.3
Thamesville.....	108.6	97.9	120.9		23.0
Tilbury.....	134.6	122.0	158.4		36.4
Tillsonburg.....	314.4	324.9	369.8		44.9
Wallaceburg.....	173.1	193.0	223.2		30.2
Walsingham.....	144.3	182.0	239.8		57.8
Walton.....	82.8	63.7	103.2		39.5
Waterdown.....	676.2	763.1	983.4		220.3
Waterford.....	174.9	218.2	215.0	3.2	
Watford.....	22.0	25.7	17.5	8.2	
Welland.....	1,079.1	1,083.6	1,168.9		85.3
Woodbridge.....	537.9	512.9	594.3		81.4
Woodstock.....	483.3	512.8	582.0		69.2

GEORGIAN BAY SYSTEM

The Georgian Bay system peak and average loads increased nearly five per cent over last year. The increase in average load each month over the corresponding month of last year was fairly uniform. The peak loads, however, decreased slightly from January to June inclusive, but in the remaining months increases of from three to twelve per cent over the corresponding months of last year were recorded. It is of interest to note that due to the proportionately heavy summer resort load, in the past two years the peaks for this system were established in July and August.

In spite of the increase in average load the transfer of energy from the Niagara system, through the Hanover frequency-changer set, showed a decrease of approximately thirteen per cent. This is due to the fact that more storage water was available for use at the system's hydraulic generating plants and consequently more energy was generated by these plants than in the previous year.

Power was supplied to the Orillia Water, Light and Power Commission from November 1, 1934, to August 31, 1935. 421,080 kilowatt-hours were supplied in this period.

Generating Stations

At Eugenia Falls generating station improvements were made to the sewage systems for the plant and operators' houses by constructing additional septic tanks and disposal beds. No. 3 turbine was dismantled and the cheek plate facing rings, which were badly eroded, were re-surfaced. Improvements were made to the control room lighting by installing indirect lighting fixtures.

At Hanover generating station only routine maintenance was required. This plant was operated an average of ten hours per day throughout the year by the operators at the Hanover frequency-changer station.

At Southampton generating station a rock filled timber crib was constructed at the north end of the dam to replace a concrete retaining wall which was destroyed by an ice jam in the spring of 1935. Four new headgates were constructed and installed at the entrance to the headrace canal, and repairs were made to the headgate operating deck. The plant was not operating during the year.

At Walkerton generating station the No. 1 exciter unit was overhauled and new thrust and journal bearings were installed. Repairs were made to the cribs at the east end of the dam and to the walls in the turbine pits.

At Hanover frequency-changer station some trouble was experienced due to the bearings heating, and new oil rings were installed in all bearings. It was also necessary to scrape and refit one bearing. The insulation on one coil of the armature of the 25-cycle motor failed and was repaired without removing the coil from the machine.

At Big Chute generating station new equipment was installed to improve the facilities for synchronizing.

At South Falls generating station the 6,600-volt electrolytic lightning arresters on Hanna Chute generating station power and service feeders were replaced with lightning arresters of modern design.

At Hanna Chute generating station eroded areas on the turbine runner and draft tube were built up by metal spraying.

At Trethewey Falls generating station the turbine was unwatered and repairs made to overcome trouble due to the turbine gates sticking.

At Bala No. 1 generating station a new shaft and rotor winding were installed in No. 1 exciter.

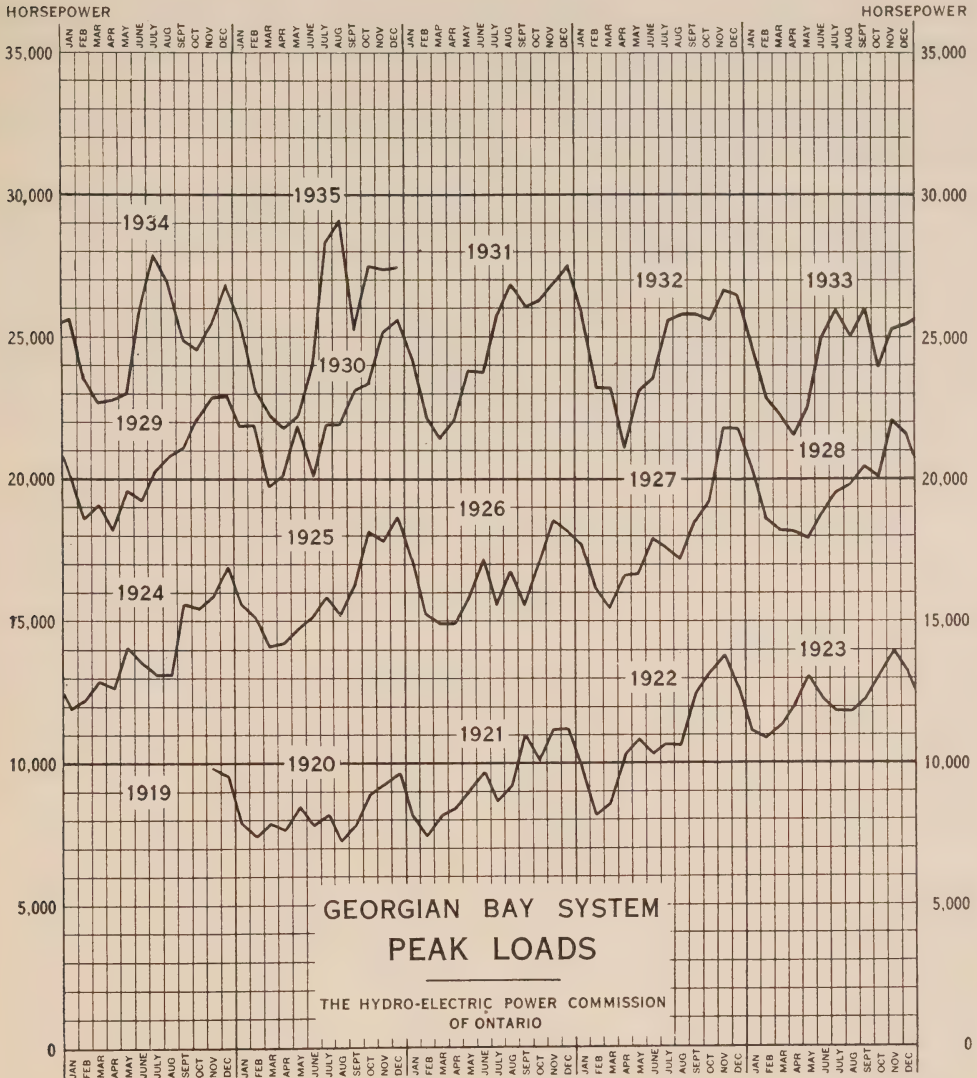
Transformer and Distributing Stations

At Penetang a new 75-kv-a, 2,300/4,600-volt, single-phase transformer station with metering equipment was installed on the end of the distribution system to supply a portion of Midland rural power district.

At Orangeville distributing station a 25,000-volt lightning arrester which was destroyed by lightning was replaced.

At Elmwood distributing station the 4,000-volt fuses and lightning arresters were replaced.

Walkerton Quarry distributing station was dismantled as the small rural load formerly supplied from this station was transferred to another source of supply.



NOTE:—The Georgian Bay system includes the Severn, Eugenia, Wasdells, Muskoka and Bala districts. In the diagram the load for the Muskoka district is not included until November, 1924. Details respecting this load for preceding years are given in earlier annual reports. The load of the Bala district is not included in above graph until April, 1931, previous meter records being incomplete.

At Port Perry a new distributing station of 300-kv-a capacity was erected to serve Port Perry rural power district.

Thirteen municipalities were assisted with the operation and maintenance of their distribution systems on twenty-five occasions.

Transmission Lines

Very little trouble was experienced in the operation of transmission lines. On two occasions sleet caused some damage but the area affected was not large. One severe windstorm caused eight poles to break in the southern end of the Severn district.

In the section of line between Bradford junction and Bradford, the steel power cable was replaced with steel-reinforced aluminum cable and additional guys were installed at the same time.

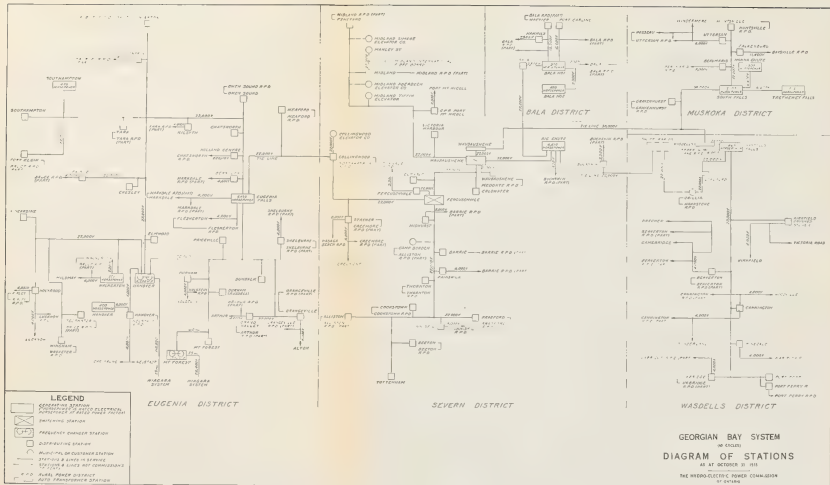
On the sections of line between Waubaushene and the southern extremity of the Severn district, 158 additional guys were erected.

Due to changes in highway locations, it was necessary to move or lower certain poles between Flesherton and Dundalk, between Gamebridge and Beaverton, between Bracebridge and Huntsville and between Stayner and Creemore.

In addition to routine patrol and maintenance of lines, fifty defective poles were replaced, 275 poles were reinforced by the addition of stubs, 65 poles were lowered, and approximately 4,000 poles were given preservative treatment at the ground line. Approximately 3,300 defective insulator pins, 350 defective crossarms and 1,200 defective insulators were replaced.

GEORGIAN BAY SYSTEM—LOADS OF MUNICIPALITIES, 1933-34-35

Municipality	Peak load in horsepower			Change in load 1934-35	
	Oct. 1933	Oct. 1934	Oct. 1935	Decrease	Increase
Alliston.....	198.0	212.3	210.3	2.0	.....
Arthur.....	132.7	136.7	130.0	6.7	.....
Bala.....	120.0	109.0	113.0	.....	4.0
Barrie.....	2,195.6	2,228.3	2,396.4	.....	168.1
Beaverton.....	179.7	175.0	175.6	.....	0.6
Beeton.....	114.3	105.7	97.5	8.2	.....
Bradford.....	140.0	161.9	171.8	.....	9.9
Brechin.....	45.4	47.5	62.8	.....	15.3
Camp Borden.....	263.4	247.0	272.4	.....	25.4
Cannington.....	152.8	141.2	145.3	.....	4.1
Chatsworth.....	61.2	53.2	56.3	.....	3.1
Chesley.....	464.0	423.6	492.6	.....	69.0
Coldwater.....	234.6	245.3	316.0	.....	70.7
Collingwood.....	1,293.8	1,139.1	1,206.2	.....	67.1
Cookstown.....	52.9	65.7	71.6	.....	5.9
Creemore.....	96.0	104.5	101.7	2.8	.....
Dundalk.....	163.0	145.0	198.4	.....	53.4
Durham.....	712.3	337.2	288.2	49.0	.....
Elmvale.....	148.8	134.8	152.4	.....	17.6
Elmwood.....	51.3	63.1	54.7	8.4	.....
Flesherton.....	75.9	87.2	79.2	8.0	.....
Grand Valley.....	108.3	101.2	106.4	.....	5.2
Gravenhurst.....	672.5	657.4	650.6	6.8	.....
Hanover.....	910.4	966.7	1,029.5	.....	62.8
Hepworth.....	25.7	26.9	32.9	.....	6.0
Holstein.....	16.6	16.6	18.2	.....	1.6
Huntsville.....	955.8	886.9	863.2	23.7	.....
Kincardine.....	564.3	560.8	552.7	8.1	.....
Kirkfield.....	22.8	26.9	25.8	1.1	.....
Lucknow.....	222.5	243.9	262.2	.....	18.3



GEORGIAN BAY SYSTEM—LOADS OF MUNICIPALITIES, 1933-34-35—Continued

Municipality	Peak load in horsepower			Change in load 1934-35	
	Oct. 1933	Oct. 1934	Oct. 1935	Decrease	Increase
Markdale.....	179.4	152.4	151.7	0.7	
MacTier.....	111.0	122.0	134.0		12.0
Meaford.....	395.4	413.5	467.1		53.6
Midland.....	2,408.6	2,709.9	2,984.2		274.3
Mildmay.....	71.5	74.5	81.0		6.5
Mount Forest.....	329.5	373.7	412.8		39.1
Neustadt.....	34.0	34.8	32.4	2.4	
Orangeville.....	585.4	518.8	529.8		11.0
Owen Sound.....	3,077.0	3,205.6	3,307.8		102.2
Paisley.....	118.6	117.9	116.0	1.9	
Penetanguishene.....	658.7	649.5	638.6	10.9	
Port Carling.....	105.0	70.0	87.0		17.0
Port Elgin.....	262.5	218.7	318.3		99.6
Port McNicholl.....	83.5	77.3	75.7	1.6	
Port Perry.....	156.6	209.4	238.8		29.4
Priceville.....	16.7	17.8	15.1	2.7	
Ripley.....	60.3	60.3	58.3	2.0	
Rosseau.....	30.0	48.3	36.4	11.9	
Shelburne.....	192.9	235.0	224.1	10.9	
Southampton.....	205.9	242.0	214.0	28.0	
Stayner.....	169.3	195.0	196.1		1.1
Sunderland.....	60.0	57.9	59.6		1.7
Tara.....	82.2	72.4	81.7		9.3
Teeswater.....	112.4	113.1	111.7	1.4	
Thornton.....	17.9	27.6	30.0		2.4
Tottenham.....	62.2	59.9	61.0		1.1
Uxbridge.....	202.2	209.2	226.9		17.7
Victoria Harbour.....	77.3	65.4	71.3		5.9
Victoria Road.....	10.0	10.0	10.6		0.6
Walkerton.....	463.1	451.8	465.3		13.5
Waubashene.....	56.3	38.4	42.2		3.8
Warton.....	232.2	234.9	256.7		21.8
Windermere.....	33.0	24.6	23.6	1.0	
Wingham.....	290.5	371.8	374.8		3.0
Woodville.....	55.2	55.6	64.6		9.0

GEORGIAN BAY SYSTEM—RURAL POWER DISTRICT LOADS, 1933-34-35

Rural power district	Peak load in horsepower			Change in load 1934-35	
	Oct. 1933	Oct. 1934	Oct. 1935	Decrease	Increase
Alliston.....	69.3	74.5	86.9		12.4
Arthur.....	3.2	3.2	3.2		
Bala.....	93.0	144.0	152.0		8.0
Barrie.....	233.4	227.4	240.8		13.4
Baysville.....	45.5	42.9	64.3		21.4
Beaumaris.....	110.0	112.6	116.0		3.4
Beaverton.....	137.6	131.6	138.0		6.4
Beeton.....	5.0	5.0	5.0		
Bradford.....	42.8	46.1	55.5		9.4
Bruce.....	103.3	94.7	141.4		46.7

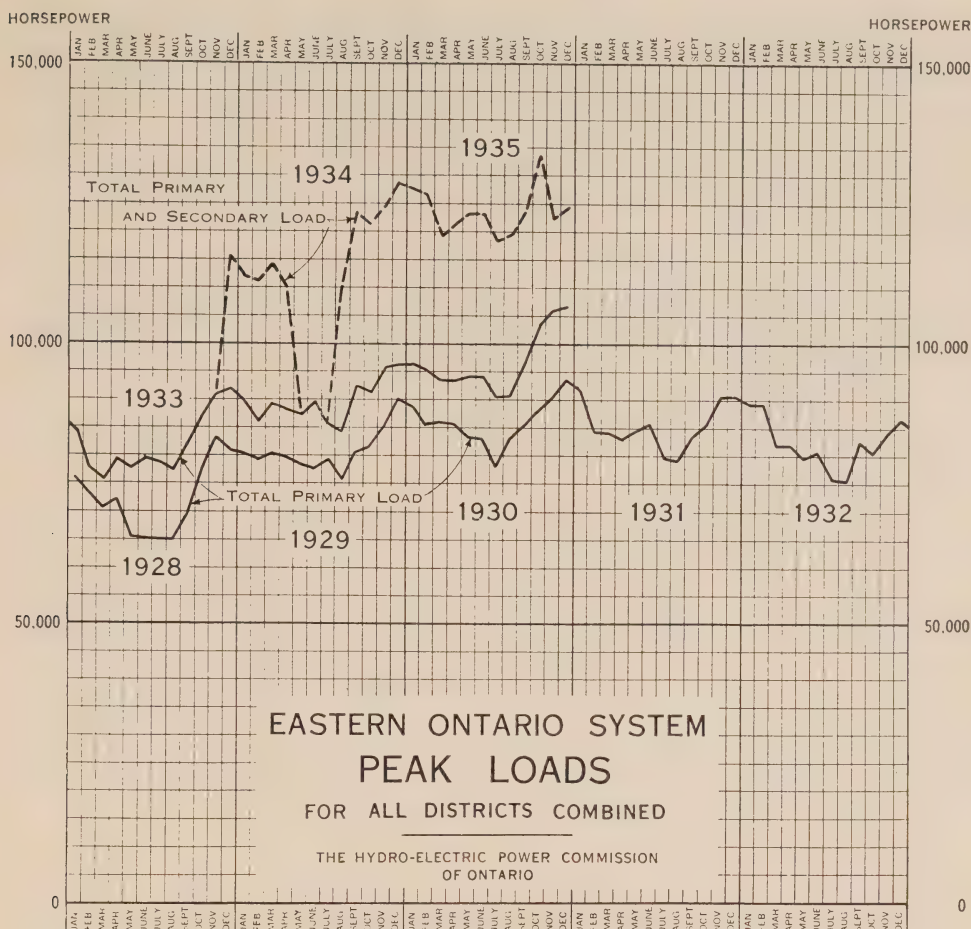
GEORGIAN BAY SYSTEM—RURAL POWER DISTRICT LOADS, 1933-34-35
—Concluded

Rural power district	Peak load in horsepower			Change in load 1934-35	
	Oct. 1933	Oct. 1934	Oct. 1935	Decrease	Increase
Buckskin.....	12.0	17.9	19.3		1.4
Cannington.....	35.7	50.5	51.9		1.4
Chatsworth.....	8.9	8.7	7.3	1.4	
Cookstown.....	0.8	0.8	0.8		
Creemore.....	55.0	55.0	55.0		
Elmvale.....	66.3	65.5	67.0		1.5
Flesherton.....	8.0	7.7	8.3		0.6
Gravenhurst.....	27.7	26.7	22.3	4.4	
Hawkestone.....	93.4	101.8	75.6	26.2	
Huntsville.....	48.2	59.5	57.8	1.7	
Innisfil.....	191.7	179.6	127.3	52.3	
Mariposa.....	136.2	142.9	152.5		9.6
Markdale.....	33.4	37.9	41.4		3.5
Medonte.....	21.0	20.0	19.0	1.0	
Midland.....	21.0	22.0	41.1		19.1
Nottawasaga.....	28.1	32.8	32.4	0.4	
Orangeville.....	34.9	36.1	47.9		11.8
Owen Sound.....	53.0	37.0	36.7	0.3	
Port Perry.....	141.0	112.0	124.6		12.6
Ripley.....	10.3	10.3	10.3		
Sauble.....	12.3	9.2	7.8	1.4	
Shelburne.....	29.3	31.1	31.6		0.5
Sparrow Lake.....	124.1	128.7	106.3	22.4	
Tara.....	50.0	51.5	58.3		6.8
Thornton.....	16.3	13.1	13.6		0.5
Utterson.....	43.9	35.0	47.6		12.6
Uxbridge.....	105.1	97.4	121.3		23.9
Wasaga Beach.....	114.6	86.0	79.0	7.0	
Wroxeter.....	106.2	106.7	110.9		4.2

EASTERN ONTARIO SYSTEM

The load on the Eastern Ontario system continued to show substantial gains. The monthly primary load peaks exceeded the corresponding peaks in any year. The maximum primary peak increased 11.9 per cent, and the total primary kilowatt-hours increased 6.7 per cent over 1934.

Secondary power was supplied to the steam generator at the Howard Smith Paper Mills at Cornwall at full generator capacity throughout the year, except for normal week-end reductions or shut downs for inspection and repair. 148,323,900 kilowatt-hours were delivered to the steam generator, of which 96,798,858 were derived from surplus energy available from the normally interconnected system sources, and the balance of 51,525,042 by transfer, under special arrangements with the Gatineau Power Company, from the 25-cycle contract for the Niagara system.



In order to facilitate the transfer of surplus capacity available from the Commission's generating sources in the Madawaska district a 33,000-volt tie line was established between Galetta and Smiths Falls transformer station. This extension included a section of the Rideau district lines which normally supplied power to Carleton Place at 26,400 volts. The tie line was connected directly to the 33,000-volt Madawaska district trunk line at a point near Galetta and terminated in a bank of three 1,500-kv-a, 33,000/2,400-volt transformers at Smiths Falls transformer station. The Madawaska and Rideau districts are normally paralleled on the 2,400-volt bus at this station. The capacity of the step-up connection between the 2,400-volt and 44,000-volt busses at Smiths Falls transformer station was increased from 1,500-kv-a to 2,250-kv-a by the installation of an additional 750-kv-a transformer. In order to supply power to the town of Carleton Place from the line now operating at 33,000 volts an outdoor 750-kv-a transformer station was constructed on the property immediately adjacent to the generating station. This station, in common with the newly established 33,000-volt tie line, was placed in service on September 1.

An interconnection with the Niagara system was provided by the installation of a 45,000-kv-a, 25-60-cycle frequency-changer set at Chats Falls generating station, and the construction of a short 110,000-volt, wood-pole line, providing facilities whereby Ottawa transformer station could be connected to the Niagara system high-voltage lines in the vicinity of Ottawa.

Stream flow and storage conditions on the various watersheds in the system were, from a power generation viewpoint, uniformly satisfactory throughout the year.

In order to supply power to the village of Cobden in the Madawaska district a 225-kv-a, 3-phase, 6,600/2,300-volt transformer station was constructed at the western limits of the village and placed in service on November 26. Power is supplied to this transformer station over a newly constructed 6,600-volt transmission line extending from Renfrew.

A new 100-kv-a, single-phase, 26,400/6,600-volt transformer station was erected at the outskirts of Perth to serve the Perth rural power district. This station was placed in service on July 28.

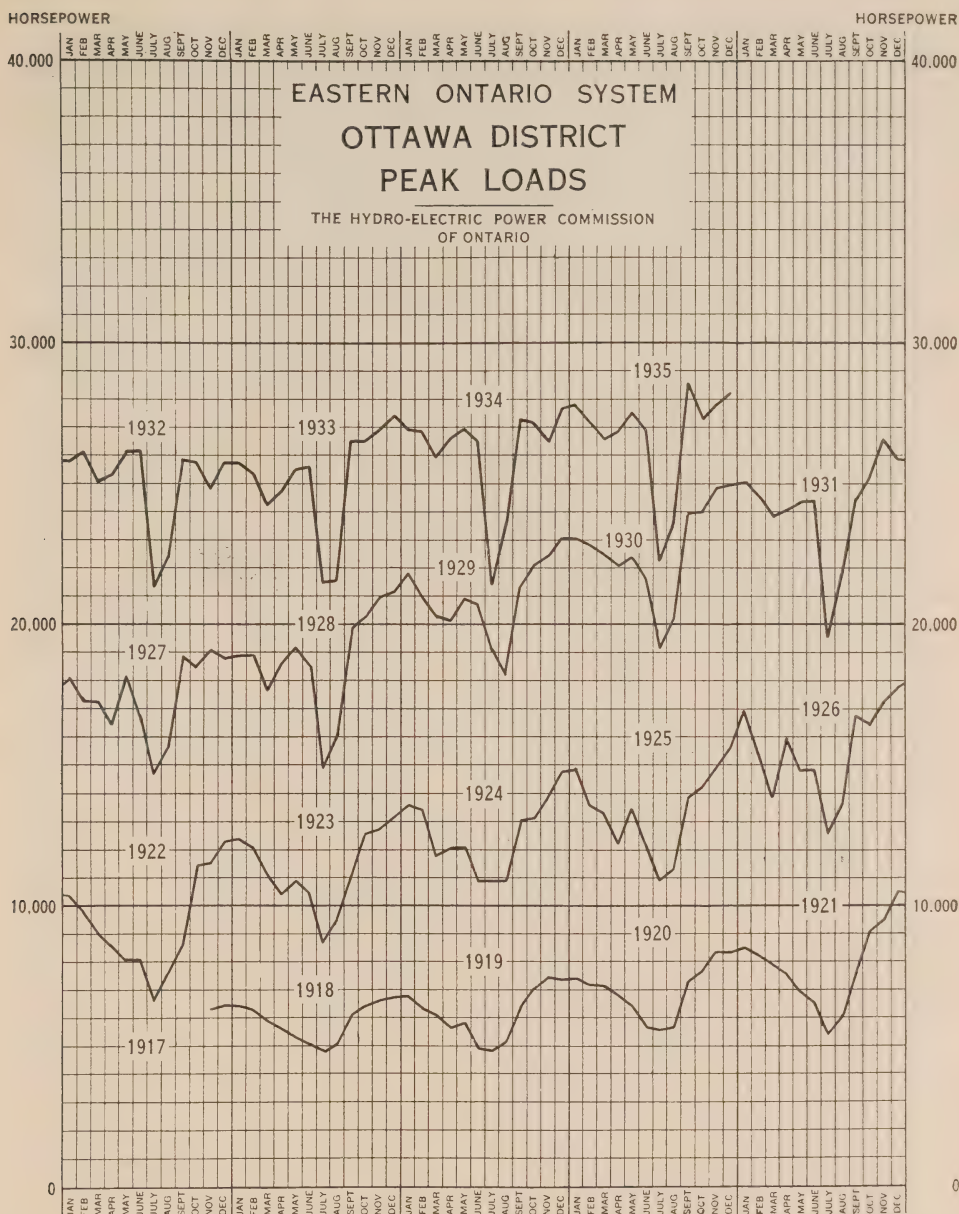
During the year the usual programme of general plant inspection and maintenance was carried out. All turbines were unwatered and inspected and minor repairs and adjustments made. Where possible and necessary, forebays were unwatered, racks thoroughly cleaned, sunken debris removed, and those portions of the concrete usually under water carefully inspected. The governors in the various plants were inspected and adjusted. Lightning arresters were all carefully inspected and overhauled during the winter. High-tension oil-breakers were inspected and overhauled in accordance with the number of times they had operated under trouble conditions. The usual programme of painting buildings, structures and apparatus was carried out at numerous places. Some of the work is outlined in the following paragraphs.

Generating Stations

At Sidney, plant No. C-2, two concrete piers on the downstream side of the plant were repaired. The 6,600-volt outgoing feeders were all rearranged, giving the station a much neater appearance from the highway which passes in front of the plant. The station site was further improved with the planting of approximately 58,000 seedling trees.

At Meyersburg, plant No. C-8, the windings of all generators were treated with an insulating paint which was applied by spray gun. The core of one of the 2,000-kv-a transformers was removed from the tank for inspection, and the oil in all transformers was filtered. The 44,000-volt oil-breaker on the station service transformer was removed and replaced by fuses as it could be used to better advantage elsewhere. The relay system was improved by using pilot wires between the plant and Ranney Falls, from which station plant No. C-8 is controlled. The 48-volt station storage battery was replaced.

At Hagues Reach, plant No. C-9, the windings of all generators were treated with an insulating paint which was applied by spray gun. The 44,000-volt oil-breaker on the station service transformer was removed and replaced by fuses as it could be used to better advantage elsewhere. This also applies to an oil-breaker which was removed from one of the high-tension lines leaving this station, the line being connected permanently to the high-tension bus. A number of defective high-tension bushings were replaced on the 44,000-volt oil-breakers.



At Ranney Falls, plant No. C-10, a considerable amount of routine maintenance work was carried out. Three broken gate arms were replaced on one of the turbines. Extensive painting was done inside the plant.

At Seymour, plant No. C-11, one of the main turbines was dismantled, the shaft was trued up, the lower guide bearing rebabbitted and the turbine generally overhauled. Twelve new stop logs were framed and creosoted.

At Heely Falls, plant No. C-14, the downstream runner of one turbine was badly eroded, and effective repairs were made by welding. The concrete

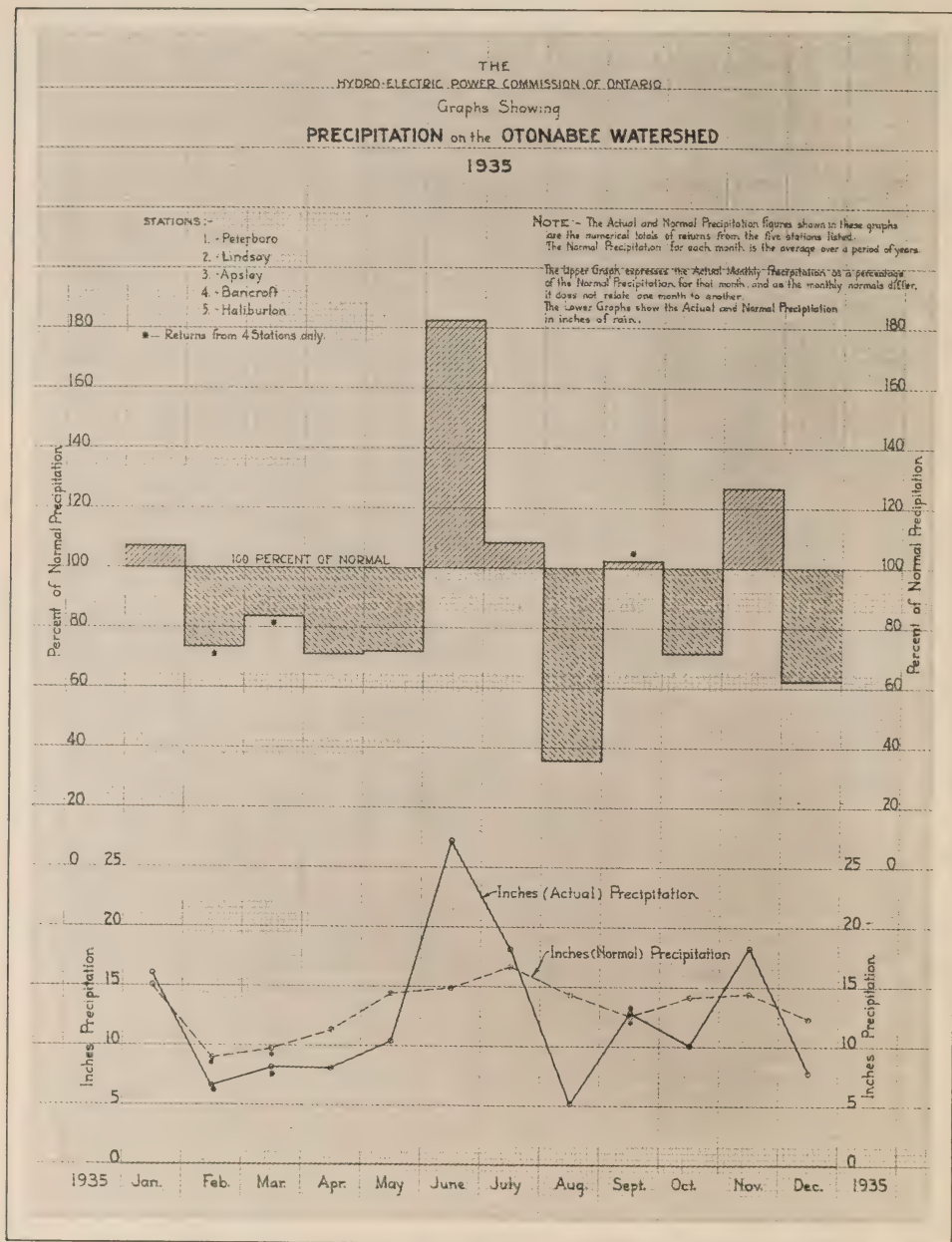


PLATE A—PRECIPITATION DATA—1935

The upper graph represents the estimated actual monthly precipitation on the Otonabee watershed expressed as a percentage of the normal precipitation.

The estimate is based upon the actual and normal return of the Meteorological Service for Peterboro, Lindsay, Bancroft and Haliburton.

Although the numerical values differ from month to month the normal precipitation is taken as 100 per cent. hence the solidity hatched areas represent the amount by which the precipitation exceeded the average while the dotted hatched area represents in a similar manner the deficiencies.

The lower graph shows the actual and normal precipitation in inches of rain.

Graph No. 3—Average daily wastage at all H-E.P.C. plants. In the weekly aggregate the area under this graph equals the wastage represented by the dotted hatched area between curves 2 and 1a.

Graph No. 5—Midnight elevations of Rice Lake.

Graph No. 6—Midnight elevations of Heely-Hastings reach.

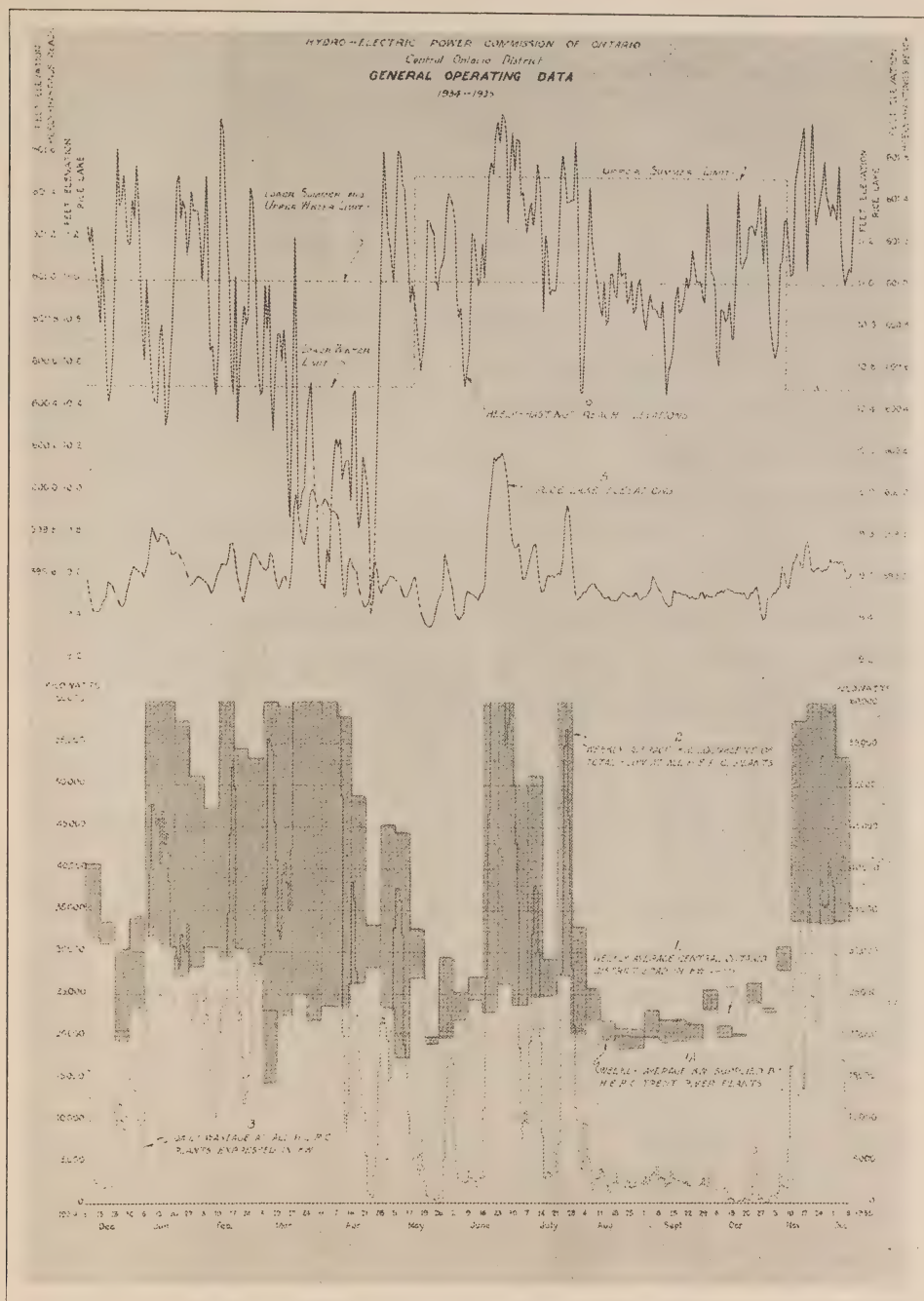


PLATE B—GENERAL OPERATING DATA

December 9, 1934, to December 8, 1935

Notes for Eastern Ontario District General Operating Data Curves

Graph No. 1—System average weekly load in kilowatts which includes power purchased from the Gattineau Power Company.

Graph No. 1a—Weekly average load in kilowatts supplied by H.E.P.C. plants on the Trent and Otonabee rivers.

Graph No. 2—Weekly average power equivalent of total flow at all H.E.P.C. Plants. This equals the weekly average load supplied by these plants, plus the power equivalent of the weekly average wastage at these plants. This wastage is shown by the dotted hatched area between curves 2 and 1a.

(Explanation continued on page 40, facing)

gains in the trash slide were repaired. Sections of brickwork over some of the windows and the main entrance door were replaced.

At Auburn, plant No. C-18, all turbines were overhauled, broken gates being replaced in two of the units. A number of defective bushings were replaced on the high-tension oil-breakers.

At Fenelon Falls, plant No. C-30, the turbines were unwatered and inspected, and one broken gate was repaired by welding. Defective collector rings were replaced on No. 1 generator, and 64 coils were replaced on No. 2 generator which failed in service.

At High Falls generating station on the Mississippi river approximately 25 feet of the wood-stave pipe line was badly rotted and had to be replaced. A new set of 46 stop logs was framed for use at the head gate.

At Calabogie generating station on the Madawaska river a new timber head-gate gantry was erected, replacing the old gantry, the timbers of which had become badly rotted.

Municipal, Distributing and Switching Stations

At Belleville No. 1 distributing station the cores were removed from the tanks of the five 750-kv-a transformers and thoroughly cleaned. The water-cooling coils of all transformers were scraped and examined, and the oil filtered.

At Belleville switching station the old type oil-breakers on three of the high-tension lines were replaced by the oil-breakers removed from plants No. C-8 and C-9. All the disconnecting switches and air-break switches were overhauled, and all insulator units were tested.

At Brockville a second 44,000-volt circuit was extended into the distributing station, and an additional 44,000-volt oil-breaker was installed, thereby providing a double source of supply to Brockville.

At Cornwall transformer station a number of operating betterments were carried out, included in which was the installation of an oil-breaker on the 44,000-volt line feeding north to Alexandria. A new 130-volt station battery was installed in connection with the operation of the relay system, oil-breakers, etc., at this station.

At Cardinal distributing station the 300-kv-a transformer was replaced owing to trouble which developed in the transformer, the primary cause of which was leakage of the oil when numerous small punctures developed in the tank.

At Arnprior distributing station an oil-breaker and disconnecting switches were installed on the low-voltage side of the 450-kv-a bank of transformers.

At Port Hope switching station a number of defective timbers were replaced in the structure, pin-type insulators were replaced by strain-type units, and obsolete grounding switches were replaced by switches of recent manufacture.

High-Voltage Transmission Lines

The inspection and maintenance of high-voltage transmission lines was actively carried out during the year. 21,000 pin-type insulators were tested or inspected, of which 1,750 were found defective and replaced. 748 poles were stubbed, and 156 poles were replaced due to rot at the ground line. The operating mechanism on a number of the 44,000-volt line air-break switches was changed from the rotating to the lever type, thereby providing a much safer and more positive operation. On August 1, during a wind storm of cyclonic proportions, a steel tower on the 110,000-volt line, which extends between

Ottawa and Cornwall, collapsed and was completely destroyed. Service was restored by the erection of a temporary wood-pole structure, the steel tower being replaced at a later date. A number of highway, railway and foreign wire crossings were rebuilt to conform with present day standard requirements. The usual programme of tree trimming and weed cutting was carried out on the various high-tension and low-tension line sections.

Meter Department and Repair Shops

An extensive programme of routine field work was carried out by the Meter department. Special tests relating to telephone interference, ground conductivity and voltage conditions were made at different points on the system. The department is responsible for the operation and maintenance of all metering and relay equipment on the system, and is available on request to any municipality wishing to have electrical measurements made or technical problems investigated.

The Belleville machine and meter repair shop continued to test and repair service meters for municipal and rural systems. 3,332 meters were repaired and 1,035 new meters handled. Over 500 samples of oil received from the field were tested during the year.

EASTERN ONTARIO SYSTEM—LOADS OF MUNICIPALITIES, 1933-34-35

Municipality	Peak load in horsepower			Change in load 1934-35	
	Oct. 1933	Oct. 1934	Oct. 1935	Decrease	Increase
Alexandria.....	227.7	207.4	207.1	0.3	
Apple Hill.....	32.4	30.3	31.9		1.6
Athens.....	74.4	74.4	77.7		3.3
Bath.....	29.2	27.3	27.8		0.5
Belleville.....	3,786.6	3,866.9	4,235.0		368.1
Bloomfield.....	76.1	76.3	76.5		0.2
Bowmanville.....	1,528.8	1,688.1	1,765.8		77.7
Brighton.....	279.9	267.8	274.0		6.2
Brockville.....	2,329.1	2,497.3	2,628.6		131.3
Cardinal.....	142.3	148.4	154.1		5.7
Carleton Place.....	1,030.8	1,014.7	1,288.8		274.1
Chesterville.....	159.9	170.1	230.5		60.4
Cobourg.....	1,501.3	1,317.7	1,396.8		79.1
Colborne.....	126.8	137.0	133.5	3.5	
Deseronto.....	118.5	126.6	131.8		5.2
Finch.....	44.9	43.5	53.5		10.0
Hastings.....	73.9	87.4	85.9	1.5	
Havelock.....	131.3	126.1	117.5	8.6	
Kemptville.....	246.2	272.1	290.8		18.7
Kingston.....	5,429.6	5,921.3	6,478.5		557.2
Lakefield.....	223.8	206.1	233.7		27.6
Lanark.....	71.8	79.0	74.8	4.2	
Lancaster.....	43.8	36.0	47.2		11.2
Lindsay.....	1,760.1	1,866.1	1,913.0		46.9
Madoc.....	152.1	146.6	161.6		15.0
Marmora.....	84.7	94.2	93.3	0.9	
Martintown.....	21.8	22.5	25.3		2.8
Maxville.....	85.2	73.4	87.1		13.7
Millbrook.....	75.6	76.5	66.5	10.0	
Napanee.....	978.7	953.2	1,043.6		90.4

EASTERN ONTARIO SYSTEM—LOADS OF MUNICIPALITIES, 1933-34-35
—Continued

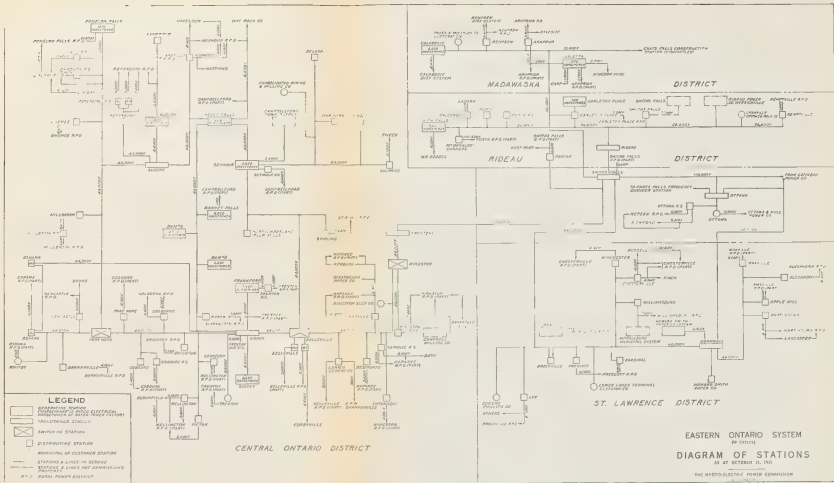
Municipality	Peak load in horsepower			Change in load 1934-35	
	Oct. 1933	Oct. 1934	Oct. 1935	Decrease	Increase
Newburgh.....	45.6	39.5	40.1	.....	0.6
Newcastle.....	101.0	102.5	109.1	.....	6.6
Norwood.....	96.1	102.0	95.2	6.8	.....
Omeme.....	97.7	102.0	128.8	.....	26.8
Orono.....	78.6	74.9	76.7	.....	1.8
Oshawa.....	6,722.5	8,859.2	12,690.2	.....	3,831.0
Ottawa.....	26,208.0	26,954.1	26,869.9	84.2	.....
Perth.....	1,135.4	1,139.4	1,254.1	.....	114.7
Peterborough.....	6,407.7	6,095.3	7,140.3	.....	1,045.0
Pictou.....	869.8	868.7	864.3	4.4	.....
Port Hope.....	1,149.1	1,178.6	1,358.4	.....	179.8
Prescott.....	696.5	705.8	758.1	.....	52.3
Richmond.....	47.4	47.7	45.5	2.2	.....
Russell.....	51.1	41.3	42.4	.....	1.1
Smiths Falls.....	1,468.4	1,549.6	1,626.1	.....	76.5
Stirling.....	213.1	243.9	257.3	.....	13.4
Trenton.....	2,911.1	2,948.5	2,985.3	.....	36.8
Tweed.....	145.9	165.8	162.7	3.1	.....
Warkworth.....	73.4	64.9	63.8	1.1	.....
Wellington.....	167.5	199.7	177.4	22.3	.....
Westport.....	69.4	68.3	69.9	.....	1.6
Whitby.....	987.9	994.6	966.5	28.1	.....
Williamsburg.....	198.4	212.4	236.8	.....	24.4
Winchester.....	231.5	213.2	234.8	.....	21.6

EASTERN ONTARIO SYSTEM—LOADS OF NEW MUNICIPALITY

Municipality	Date connected	Initial load	Oct. 1935	Change in load	
				Decrease	Increase
Cobden.....	Nov. 26, 1934	56.3	53.6	2.7	.....

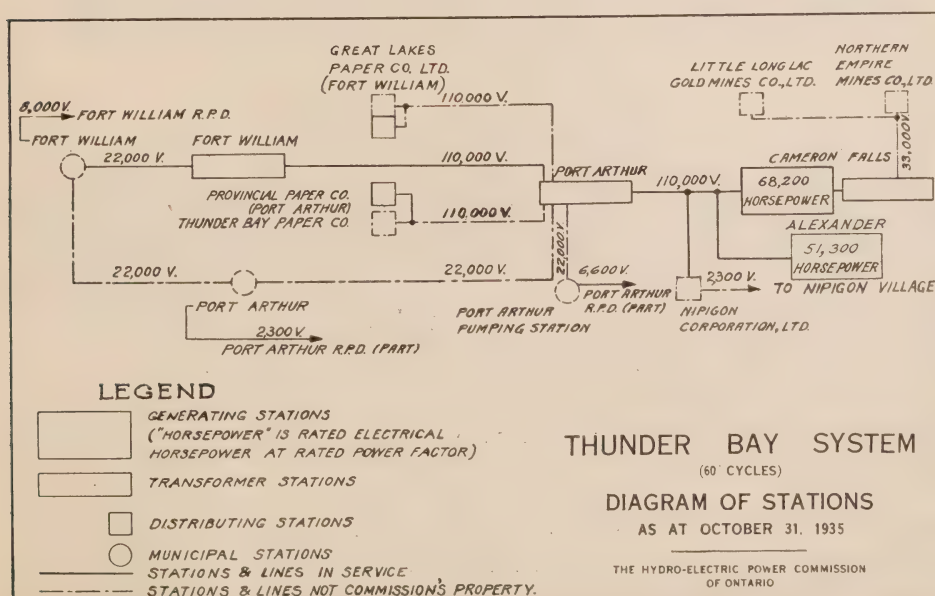
EASTERN ONTARIO SYSTEM—RURAL POWER DISTRICT LOADS, 1933-34-35

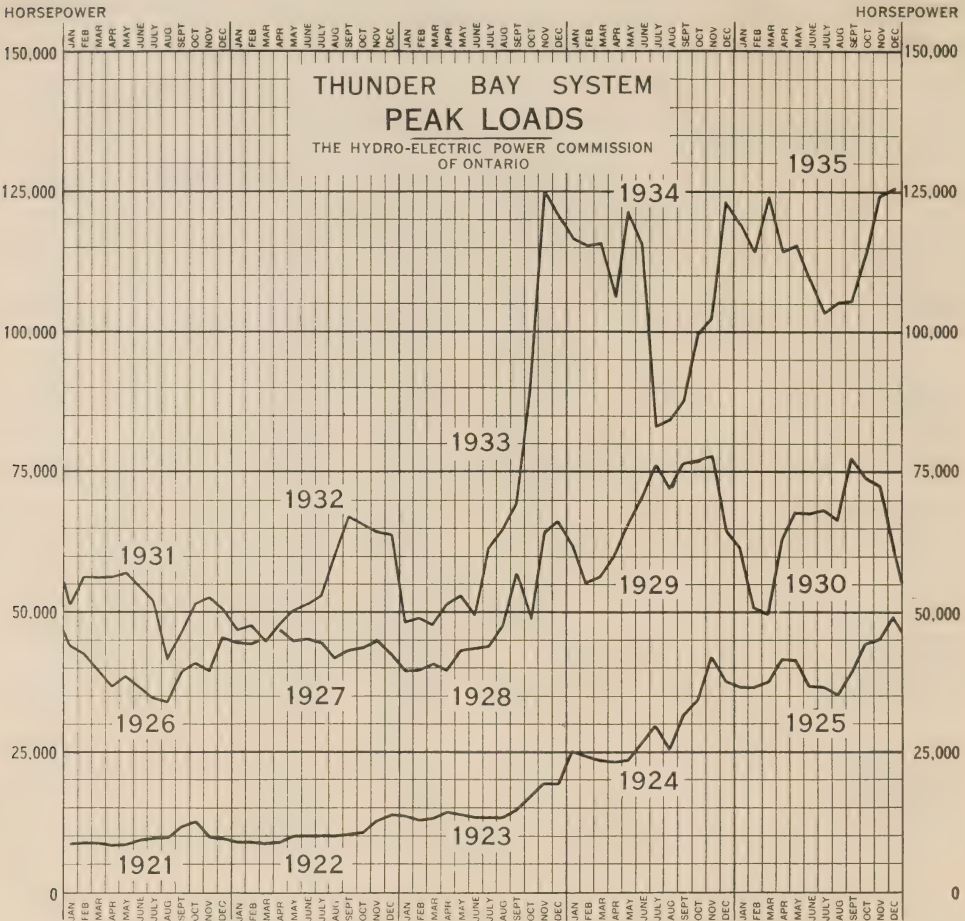
Rural power district	Peak load in horsepower			Change in load 1934-35	
	Oct. 1933	Oct. 1934	Oct. 1935	Decrease	Increase
Alexandria.....	31.5	31.0	33.2	.....	2.2
Belleville.....	324.8	310.8	347.4	.....	36.6
Bowmanville.....	106.4	102.7	112.2	.....	9.5
Brighton.....	22.8	22.8	23.3	.....	0.5
Brockville.....	298.2	278.1	325.8	.....	47.7
Campbellford.....	69.5	65.6	57.7	7.9	.....
Chesterville.....	184.3	170.1	199.1	.....	29.0
Cobourg.....	270.7	279.1	303.0	.....	23.9
Colborne.....	120.0	97.8	92.0	5.8	.....
Fenelon Falls.....	52.5	48.9	97.2	.....	48.3



EASTERN ONTARIO SYSTEM—RURAL POWER DISTRICT LOADS, 1933-34-35 —Concluded

Rural power district	Peak load in horsepower			Change in load 1934-35	
	Oct. 1933	Oct. 1934	Oct. 1935	Decrease	Increase
Iroquois.....	428.1	408.8	453.0	.....	44.2
Kemptville.....	19.3	20.7	25.0	.....	4.3
Kingston.....	356.0	360.7	408.0	.....	47.3
Lakefield.....	34.3	39.6	47.2	.....	7.6
Lindsay.....	16.4	16.4	25.6	.....	9.2
Martintown.....	47.4	51.8	69.4	.....	17.6
Maxville.....	156.6	157.4	170.8	.....	13.4
Millbrook.....	36.3	42.1	45.4	.....	3.3
Napanee.....	213.9	211.1	219.5	.....	8.4
Nepean.....	590.6	582.3	635.4	.....	53.1
Newcastle.....	63.6	63.4	66.9	.....	3.5
Norwood.....	22.9	19.8	24.4	.....	4.6
Omeme.....	2.0	4.8	4.8	.....	.....
Oshawa.....	626.2	727.8	821.6	.....	93.8
Perth.....	34.8	26.8	25.8	1.0	.....
Peterborough.....	391.1	438.8	456.0	.....	17.2
Prescott.....	106.4	116.6	138.0	.....	21.4
Stirling.....	46.2	50.5	51.7	.....	1.2
Smiths Falls.....	183.7	156.1	176.1	.....	20.0
Trenton.....	204.7	209.3	238.1	.....	28.8
Warkworth.....	3.0	3.0	3.6	.....	0.6
Wellington.....	176.5	173.8	244.7	.....	70.9
Williamsburg.....	73.3	82.8	86.4	.....	3.6



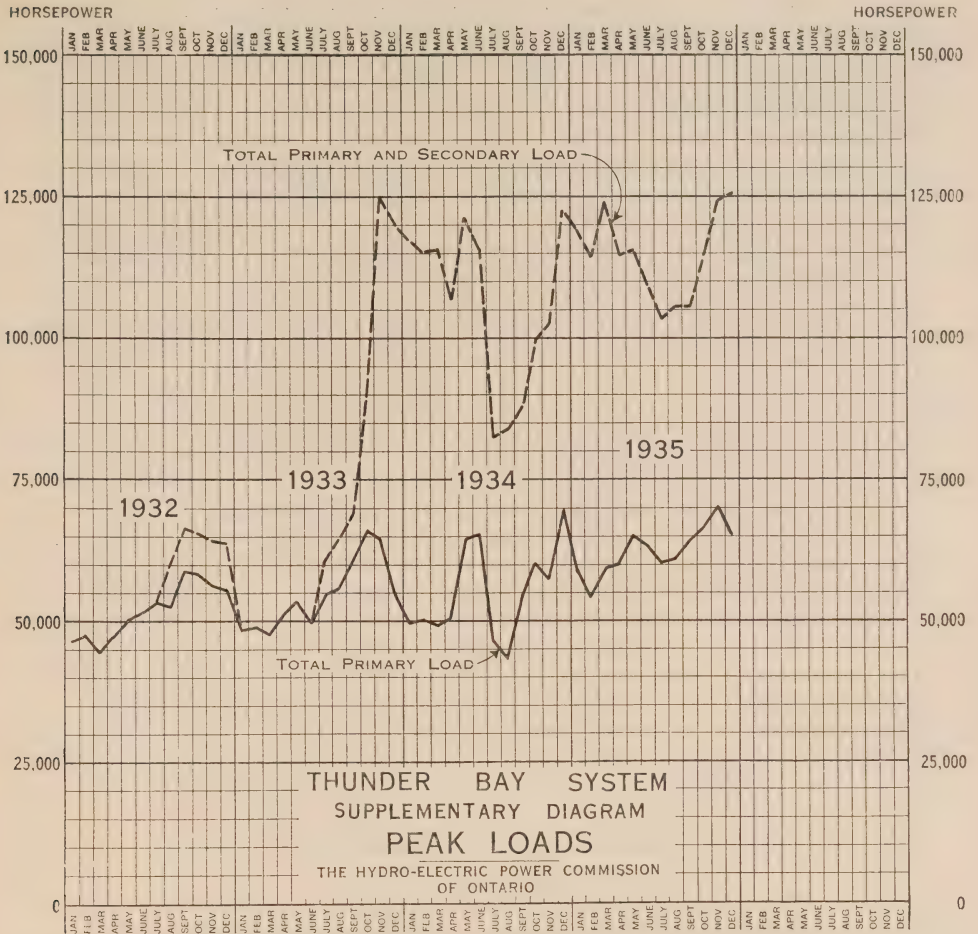


THUNDER BAY SYSTEM

The load on the Thunder Bay system increased over the previous year. While a large amount of power was again sold for the generation of process steam (utilized in the pulp and paper industry) the increase was mainly in primary load. The average load generated for all purposes increased 9.9 per cent and the average monthly peak increased 4.5 per cent over 1934. The highest load demand on the system was in March, when the maximum twenty-minute peak generated was 123,000 horsepower.

There was no restriction of power supply or serious interruption of service to any customer, the generating stations, transformer stations, and transmission lines having all functioned reliably and satisfactorily.

No repairs of major importance were necessary to the generating units at either the Cameron Falls or Alexander generating stations. Routine maintenance work was done as opportunity offered when individual units could be temporarily released from service. Considerable maintenance work of a general



routine nature was carried out on the power transformers at the generating stations and also at Port Arthur and Fort William transformer stations. All these units operated satisfactorily with the exception of a service transformer at Alexander generating station, in which a bushing failed and was replaced. At Cameron Falls transformer station a forced air-cooling system was installed on the 1,200-kv-a transformer bank supplying the mining customers.

The 110,000-volt transmission lines system caused little trouble. There were a number of flashovers during electrical storms, causing interruptions of short duration to one or more customers, but in no case was there a total system interruption. The first flashover outage on the wood pole No. 1 transmission line since its erection fifteen years ago occurred on August 9, 1935, causing an interruption of nine minutes to the Nipigon Corporation mill and Nipigon township.

Special attention was again given to the testing of insulators and the replacement of those found defective, and to the maintenance of poles and conductors. Brush was cut and the right-of-way kept in good condition.

The precipitation in the watershed supplying this system was the highest recorded in the past fifteen years and amounted to nearly 33 inches. A considerable amount of water was wasted during the year, but despite the high river flow in the Nipigon river the elevation of lake Nipigon is still 853.3, practically the same as a year ago.

THUNDER BAY SYSTEM—LOADS OF MUNICIPALITIES, 1933-34-35

Municipality	Peak load in horsepower			Change in load 1934-35	
	Oct. 1933	Oct. 1934	Oct. 1935	Decrease	Increase
Fort William.....	10,932.0	10,835.8	10,740.0	95.8	
Nipigon Township.....	101.1	105.1	112.5		7.4
Port Arthur.....	33,205.5	26,251.5	34,396.3		8,144.8

THUNDER BAY SYSTEM—RURAL POWER DISTRICT LOADS

Rural power district	Peak load in horsepower			Change in load 1934-35	
	Oct. 1933	Oct. 1934	Oct. 1935	Decrease	Increase
Fort William.....	80.0	83.7	111.2		27.5
Port Arthur.....	33.2	37.5	47.0		9.5

MANITOULIN DISTRICT

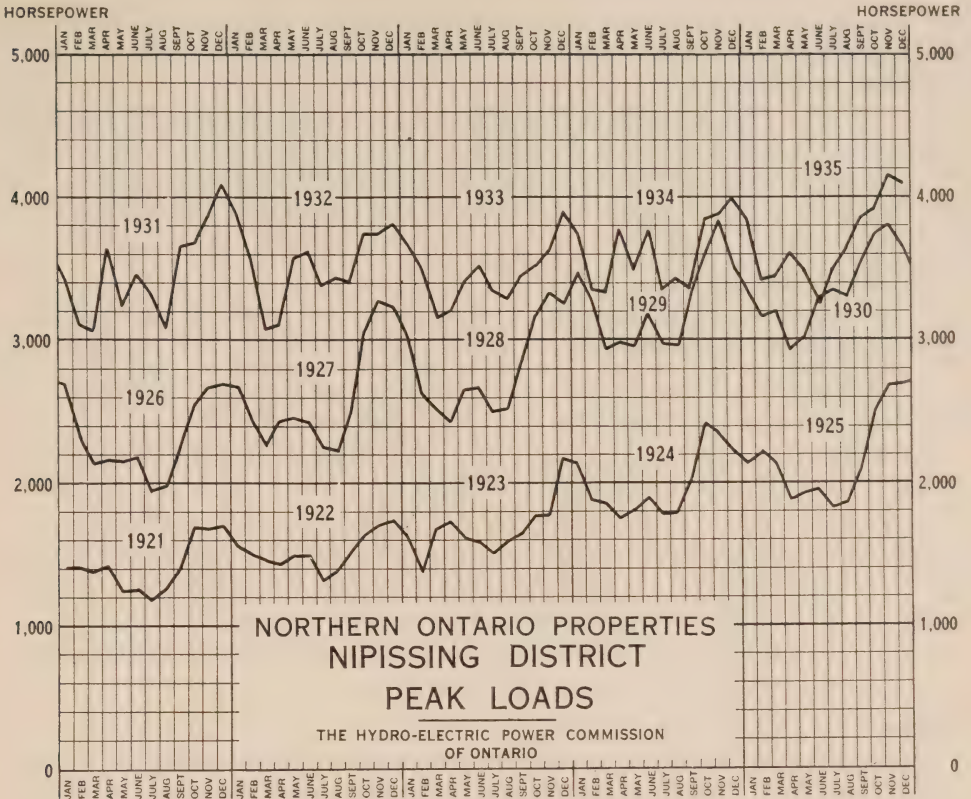
Supplying Power to the

MANITOULIN RURAL POWER DISTRICT

The year's operation of the Manitoulin district was satisfactory. Of six major interruptions to service totalling 6 hours 23 minutes, two, totalling 2 hours 34 minutes, were required by the Manitoulin Pulp Co. to effect repairs to their generating equipment, and the remainder were necessary to permit repairs and extensions to the Commission's equipment. Maintenance of the Commission's equipment was confined to the painting of the exterior surfaces of the three 100-kv-a transformers at Kagawong distributing station and the testing and replenishment of oil in these transformers.

MANITOULIN RURAL POWER DISTRICT LOADS, 1933-34-35

Rural power district	Peak load in horsepower			Change in load 1934-35	
	Oct. 1933	Oct. 1934	Oct. 1935	Decrease	Increase
Manitoulin.....	79.9	87.9	113.9		26.0



NORTHERN ONTARIO PROPERTIES

Nipissing District

Generating Stations

At Nipissing generating station both turbines were overhauled, new gate bolts of Netherton steel, new split bronze gate links and new design gate link pins being installed. All gates were drilled and equipped with high pressure grease fittings. Gate limit stop devices were installed on both turbines.

Four 22,000-volt bus insulators broken by lightning were replaced, and the 22,000-volt line breaker was readjusted at the same time.

One hundred cubic yards of rock fill were placed at the headworks. Twelve new stop logs were provided for the main dam and a number of seams and holes in the concrete were repaired.

On the wood-stave pipe line four decayed bench sills were replaced, and one hundred steel plates over tarred felt sheets were installed under bands at leaky butt joints. Pipe line grade was trimmed and ditches cleaned out.

All necessary maintenance, painting, etc., of buildings was carried out.

At Bingham Chute generating station routine maintenance necessary to keep buildings and equipment up to the usual high standard was carried out. Two defective coils in No. 1 generator and a low tension disconnecting switch in the power house were replaced. One defective 22,000-volt fuse and six fuse clips were replaced on the outdoor structure.

A pump house was built over the new deep well, and pump and pressure tank installed. The water services to the various operators' houses were connected to this supply.

At Elliott Chute generating station necessary maintenance of buildings and equipment was performed. Twenty cubic yards of gravel fill were placed on the dam north of the sluiceway. Drainage wells in the dam were cleaned out. The road into the power house was gravelled and some filling and grading done on the station site.

Distributing Stations

At Callander distributing station a new telephone protector was installed, replacing obsolete equipment.

Transformer oil was filtered, all electrical equipment was inspected and adjusted, and necessary maintenance of buildings was carried out.

At the Canadian Timber Company distributing station all electrical connections, etc., were checked, and oil tested.

At North Bay No. 1, Z4, distributing station floating contacts in the graphic voltmeter were found to cause radio interference. These were adjusted and the trouble eliminated. Two bushings on the 22,000-volt line oil-breaker shattered by lightning were replaced and the breaker adjusted.

At North Bay No. 2, Z9, distributing station a new 12-cell storage battery was installed to replace a worn out tripping battery.

Transmission Lines

85 insulators, broken by stones and rifle bullets, and three, found to cause radio interference, were replaced. Two new poles were installed, and nine others with necessary guys and guy stubs were moved, due to road construction and relocation. Underbrushing of right-of-way for 93 pole spans was carried out. Six crossings over telephone lines and one over a railroad were rebuilt and reinforced.

Storage

Water storage conditions were satisfactory throughout the year.

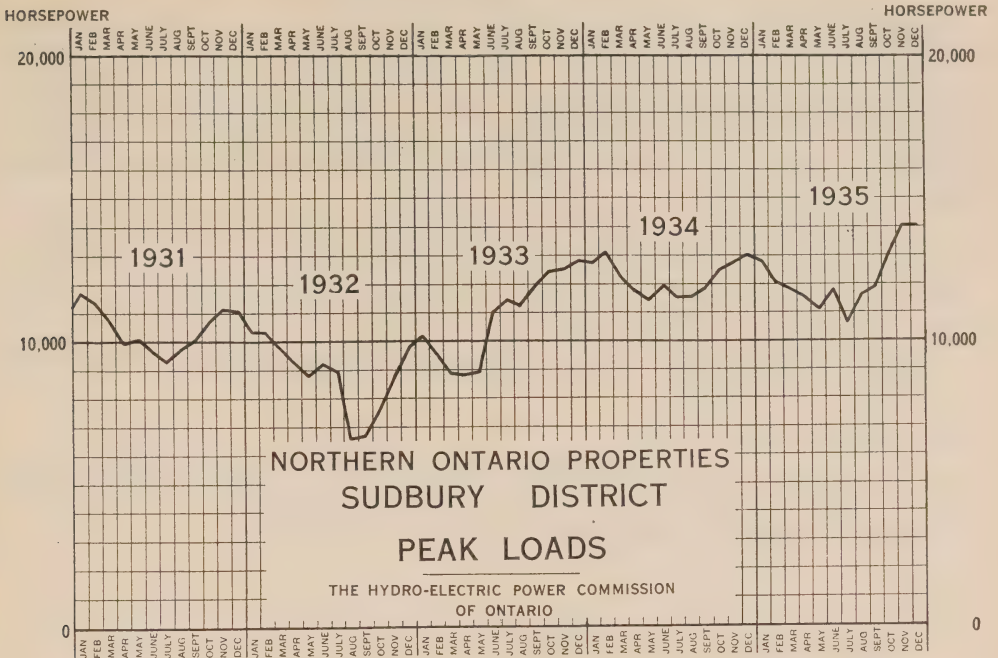
On Gull Lake storage dam about 180 cubic yards of gravel and 48 cubic yards of rock were placed to raise and widen the fill. This completes the eight year programme of rehabilitation of storage dams initiated in 1928.

Routine maintenance was carried out on the other storage dams.

Sudbury District

Generating Stations

At Coniston generating station new lifting rods for drain plugs were installed in No. 1 turbine. No. 2 governor pump was completely overhauled and reconditioned and fitted with leather cup pistons in place of the cast iron and ring type. No. 3 turbine was inspected, gates adjusted, and turbine refitted with shields which had been removed previously, new wrist pins fitted on shift ring arms and bearings adjusted. Nos. 1 and 2 crossover valves were overhauled and fitted with new screws and No. 2 with new rubbing strips. Adjustments were made to lignum vitae bearing and stuffing box of No. 2 exciter turbine.



On the evening of July 6, an extremely heavy rainfall caused considerable damage in the area around the town of Coniston. The river flow increased so rapidly that the operating staff at the Coniston generating station was unable to remove the stop logs from the dam in time to prevent the forebay overflowing and washing out roads to the storehouse and generating station. The road from the highway to the plant was also washed out in several places, one culvert having to be entirely rebuilt. The necessary repairs were made to these roads.

At McVittie generating station both turbines were inspected and fitted with new lignum vitae rear bearings, and new plates on gate shaft packing glands. The exciter turbine was inspected and cleaned and repairs made to the governor cylinder head.

The lead-covered cables between the generators and the low-tension switching equipment, on which certain defects had developed, were replaced by new cables.

The lightning arresters and oil-breakers were inspected and adjusted, and the voltage regulator, which developed defects, was repaired and returned to service.

The pole line to Burwash Industrial Farm was rebuilt and restrung for 3-phase, 8,000-volt service.

The necessary maintenance and painting of buildings and structures was carried out.

At Stinson generating station both turbines were inspected, greased and clearances adjusted. Two worn wrist pins in No. 2 turbine were replaced and the gate shaft packing gland in No. 1 turbine repaired.

Transmission Lines

Road construction by the Northern Development department between Coniston and Stinson caused some damage to lines due to blasting, and necessitated the relocation of one pole guy to clear a road ditch. Thirteen defective insulators, eleven of which were broken by stones and bullets, were replaced between Coniston and Sudbury. One defective rock anchor between Stinson and Coniston was replaced.

A 4,000-volt line was built from Sudbury to the Subdury Star broadcasting station, the 22,000-volt line from Neelon Junction to Capreol was rebuilt, and the Treadwell-Yukon line from Stobie Crossing to the mine station near Chelmsford was dismantled.

Brush was cut on the lines from Coniston to Stinson, Coniston to McVittie and Coniston to Sudbury.

Wanapitei Lake Telephone Line

One pole near Garson, broken by a motor car, was replaced. A new crossing over the International Nickel Company spur into a gravel pit was installed, and brush was cut and burned over about five miles of line.

Storage

Water storage conditions were satisfactory throughout the year.

Abitibi District**Generation**

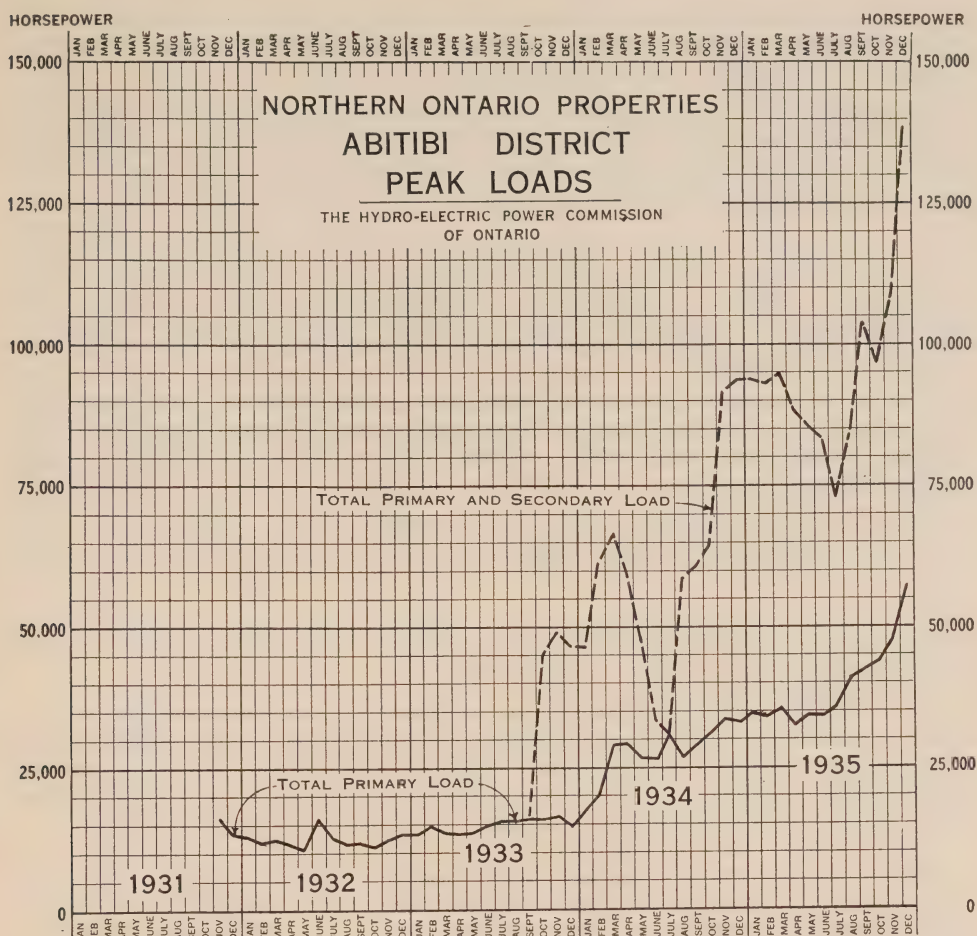
Two main generating units at Abitibi Canyon station were available for service and were operated throughout the year. The operation of these units was in general satisfactory and no major maintenance was required. A number of adjustments of a minor nature were necessary, but it was found possible to effect these at times when customer service was not affected. The adjustments were chiefly confined to the governors and the turbine gate operating mechanism.

Owing to the very severe climate encountered at the Abitibi Canyon, outdoor apparatus is subject to unusually severe effects of moisture condensation. In order to avoid trouble from this cause, control and service circuits in all outdoor motors must be meggered frequently and dried out at intervals. In some instances, heaters were installed in outdoor motors to keep them dry during idle periods.

Some difficulty has also been experienced in the operation of outdoor switching equipment and sluice gate operating mechanisms during the winter due to the accumulation of ice and frozen spray on moving parts. Where it was possible to do so with advantage, electric heaters were installed to combat this condition, and several improvements in the design of the switching equipment have been undertaken.

Routine tests were conducted on all equipment according to a definite schedule, and the necessary maintenance carried out.

During May the Commission and the contractor resumed work, installing additional generating units at Abitibi Canyon and since that time the operating staff have co-operated with both wherever their assistance was required.



Transmission

Operation of the high-tension and low-tension lines on the district was satisfactory.

There were twelve automatic interruptions of the 132,000-volt steel-tower lines between Abitibi Canyon and Copper Cliff; ten were due to lightning, one to fog, and one to causes external to these lines.

Of a total of eleven automatic interruptions of the 132,000-volt lines between Abitibi Canyon, Kirkland Lake and Matachewan, three were due to lightning, two to wet snow, one to accidental felling of a tree on the line, one to failure of a line switch, two to unknown causes and two to causes external to these lines.

On January 23, the dead-ending device on one conductor of the 132,000-volt line at Iroquois Falls outdoor switching structure failed due to excessive strain during a cold spell when the temperature reached 72 degrees below zero. Following this failure the strain was transferred to a line disconnecting switch, the blade mounting of which also failed. The failure which occurred a few

minutes after midnight was located and cleared by the patrol staff within $2\frac{1}{2}$ hours of its occurrence despite the severe cold. Additional sag was later inserted in the line and the switch repaired.

On September 25, during a very severe wind and electrical storm one steel tower on the Hunta-Smooth Rock Falls line was blown to the ground. This tower was replaced with another tower from stock, the footings of which were anchored more securely than the original.

During the spring break-up several steel towers on the Abitibi Canyon to Hunta, and Hunta to Copper Cliff lines were heaved by frost. Although this is a common experience with towers erected in clay, no effective remedy has yet been found. The affected towers have been reset and various corrective measures are being tried.

With the exception of the particular instances referred to above, line maintenance was confined to the replacement of defective insulators, the majority of which were damaged by stones or rifle bullets, and to brush cutting along the right-of-way.

Several forest fires occurred in the vicinity of the Commission's lines during the year but no damage resulted.

Transformation

All transformer stations in the district being comparatively new, station maintenance was confined to minor details.

At Kirkland Lake transformer station a newly-installed spare 9,500-kv-a, 67,900/12,000-volt transformer was tested and found satisfactory for service on December 2, 1934. A second 12,000-volt feeder out of this station, to permit doubling the amount of power delivered to the Canada Northern Power Corporation, was tested and found ready for service on October 20.

On March 3 an attempt to place the Ramore transformer station in service was unsuccessful due to a defect in the 3-phase, 1,000-kv-a, 121,000/27,720-volt transformer. This transformer was replaced and the station placed in service, making initial delivery of power to the Hollinger Consolidated Gold Mines property in Hislop township on March 19.

On April 11 Matachewan distributing station was placed in service. This station feeds the domestic and commercial consumers in the townsite of Matachewan.

On April 21 the Timmins transformer station was placed in operation rendering service to the Central Porcupine Gold Mines.

General

On November 5, 1934, the supply of power to the Abitibi Power and Paper Company mill at Iroquois Falls for steam generation was resumed. This supply had been discontinued on August 1, 1934.

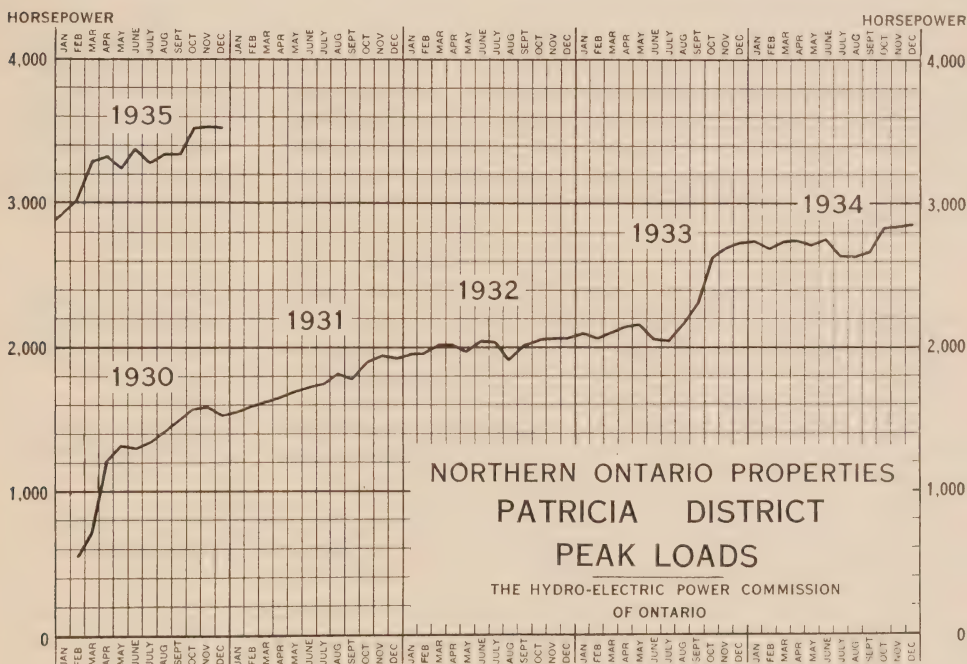
On April 30, 1935, Vimy Gold Mines Limited were advised that the Commission's facilities for supplying them with power from Ramore transformer station were complete and ready for service. The customer was not ready to take power at this time but accepted delivery on May 27.

On September 30, 1935, initial delivery of power to Pamour Porcupine Mines Limited from Timmins transformer station was made.

Owing to the rapid expansion of the Abitibi district, involving frequent construction of new stations and new lines, and extensions and additions to existing stations and lines, it was necessary to arrange a large number of interruptions to customers' services to permit tying in and testing new equipment. Every effort was made to co-ordinate construction and maintenance work so as to keep such interruptions to a minimum, and the customers affected were consulted beforehand so that the interruptions could take place at times least inconvenient to them.

Espanola District

Operation of the Espanola district was satisfactory. Two interruptions to McMillan Gold Mines service, totalling 17 hours 30 minutes, were necessary to permit the Abitibi Power and Paper Co. to overhaul their generating equipment at Espanola. Two interruptions, totalling 2 hours 7 minutes, were required to permit changing of broken insulators on the transmission line, and two interruptions, totalling 1 hour 30 minutes, were required to permit installation of metering equipment by the Commission at McMillan mine and at Espanola generating station. The maintenance of the transmission line was confined to the replacement of insulators which had been broken by stones or rifle bullets.



Patricia District

The generating and transformer station at Ear Falls on the English river operated satisfactorily. The average load increased 13.2 per cent, and the average monthly peak 17.6 per cent over 1934.

Two new customers were added to this system, the McKenzie Red Lake Gold Mines in January and the Red Lake Gold Shore Mines in September, the latter taking only a small amount of power up to the end of the year.

Routine maintenance work was done on all electrical and hydraulic equipment, and on two occasions, by arrangement with customers, the generating unit was shut down for special inspection and repairs. These interruptions were on July 14, 8 hours 4 minutes and August 18, 1 hour.

The 44,000-volt transmission line circuit which is owned by the Howey Gold Mines Limited, functioned satisfactorily, and was operated and maintained for this company by the Commission's staff under the same cost arrangement as heretofore. There were four outages on this circuit during the season due to lightning. While no permanent damage was done to the line during any storm and the line was ready for immediate resumption of service, one of these interruptions was materially extended due to trouble with the telephone system which was later located and rectified.

Two short interruptions in close succession occurred on March 9, due to failure of a bushing on the transformer bank at the McKenzie Red Lake Gold Mines. Their own fuses functioned simultaneously with the oil breaker at Ear Falls generating station.

The flow in the English river was regulated and controlled by means of the Lac Seul conservation dam at Ear Falls as required by the Lake-of-the-Woods Control Board.

The precipitation in the vicinity of Ear Falls was above normal, being 30 inches during the year. The elevation of Lac Seul has steadily risen to a high point of 1,168.9 as compared with the previous year's high level of 1,166.95. While a relatively large river flow was permitted, this was of necessity governed to some extent by the plant and system load conditions which required a maximum head to secure the most efficient operation and output of the generating unit.

St. Joseph District

The generating station at Rat Rapids on the Albany river, at the outlet of lake St. Joseph, was placed in service on March 21, 1935. Power is supplied over a 22,000-volt transmission line to three mining developments situated about 27 miles in a northerly direction from the generating station.

On the whole, service to customers was satisfactory, though certain difficulties presented themselves inasmuch as all equipment is on a single-unit basis and trouble with any part involves the whole.

The 10-minute system peak increased from a low point of 250 kilowatts in March to 980 kilowatts in October. Thus the single generating unit is now operated close to its capacity limits.

The 22,000-volt single-circuit transmission line between the generating station and the mining properties functioned satisfactorily. There were four short outages of this circuit due to lightning, one on July 11, two on July 16, and one on October 16, but no permanent damage to the line resulted. A rather large amount of maintenance work has already been necessary, straightening up poles and putting in additional guys, this being to a large extent due to the fact that the construction of this line was completed during severe weather conditions, when the character of the muskeg differed considerably from its summer condition.

The records so far obtained from this district indicate a relatively high annual precipitation. From April to October this year there was a rainfall of

about 19 inches, and 14 inches of snow. The elevation of lake St. Joseph, which is the main water storage for the generating station, rose during the period under review from 1,221.92 to 1,226.33 feet.

Owing to seasonal climatic conditions communication, except for short-wave radio and transportation facilities are suspended entirely for periods of four to six weeks during the spring and fall. Hence it is not possible to send in any equipment or supplies for operating and maintenance purposes during these periods. Similarly the Commission's employees require to purchase and have on hand sufficient food and household necessities to supply their needs until transportation re-opens. During the remainder of the year aeroplanes provide transportation from Hudson and Sioux Lookout almost daily, weather permitting. Passengers, mail, express and light freight go in by aeroplane, but the heavier freight is usually transported by water from Hudson, a distance of 150 miles, with four portages.

NORTHERN ONTARIO PROPERTIES—LOADS OF MUNICIPALITIES, 1933-34-35

Municipality	Peak load in horsepower			Change in load 1934-35	
	Oct. 1933	Oct. 1934	Oct. 1935	Decrease	Increase
NIPISSING DISTRICT					
Callander.....	196.4	198.5	200.7	.....	2.2
Nipissing.....	3.0	3.0	3.0	.....	.....
North Bay.....	2,911.4	3,087.1	3,215.1	.....	128.0
Powassan.....	106.5	103.0	120.4	17.4

SUDBURY DISTRICT

Sudbury.....	3,599.2	3,807.0	4,505.3	698.3
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ABITIBI DISTRICT—LOADS OF NEW MUNICIPALITY

Municipality	Date connected	Initial load	Oct. 1935	Change in load	
				Decrease	Increase
Matachewan Townsite.....	April 11, 1935	28.1	51.6	.....	23.5

NORTHERN ONTARIO PROPERTIES—LOADS OF RURAL POWER DISTRICTS, 1933-34-35

Rural power district	Peak load in horsepower			Change in load 1934-35	
	Oct. 1933	Oct. 1934	Oct. 1935	Decrease	Increase
NIPISSING DISTRICT					
North Bay.....	77.9	100.5	72.0	28.5	.....
Powassan.....	3.0	3.0	3.25	.....	0.25

SECTION III

MUNICIPAL WORK

The Commission acts in an advisory capacity to the municipalities with which it has contracts, assisting the municipal officials to purchase, construct or extend distribution systems. As provided under *The Power Commission Act*, all rate adjustments are approved by the Commission, therefore a study of the operating conditions of all utilities is made annually and adjustments recommended. The Commission exercises a general supervision over the management and operation of all Hydro utilities and especially in municipalities which are not large enough to employ a manager with the technical knowledge necessary for the administration of the local system.

In rural power districts, the Commission on behalf of the township corporations operates the rural power systems, and distributes electrical energy to the customers of the respective corporations in all such rural power districts.

NIAGARA SYSTEM

In the Niagara System load increases occurred in 124 urban municipalities and 68 rural power districts, and small decreases were recorded in 47 urban municipalities and 18 rural power districts.

The aggregate average load supplied to all customers on this system during the year 1935, shows a substantial upward trend for each month during the year.

Engineering Assistance to Municipalities

General engineering assistance was given to practically all municipalities in the Niagara system respecting the operation and management of their local Hydro utilities.

Certain municipalities received special engineering advice and assistance regarding a number of matters, which are more fully referred to below:

Amherstburg—New lighting, using totally indirect units, was installed in the Hydro office.

Burlington—A new primary circuit was erected from Beach station to supply power to the town.

Chatham—Due to dredging in the Thames river it was necessary for the Chatham Hydro to remove the six lead-covered cables running from the substation to the northern section of the city. When the work was completed, these cables were re-installed in a special trench in the river bed.

Dashwood—Permission was given to change the local distribution system from 4,000 volts to 8,000 volts.

Elmira—Studies were made of steam power costs in two industrial plants. In each case it was found that substantial annual saving could be made by these consumers substituting electric motors for the steam engines.

Exeter—A new ornamental street lighting system was installed on the business section of the main street. The overhead wiring was eliminated in this section of the town and its appearance greatly improved.

Fergus—An increase in the load of a large manufacturing plant made it necessary to install three 150-kv-a transformers. The local Commission was assisted in the selection, purchase and installation of this equipment.

Forest Hill—The distribution system was appraised and a report submitted to the Council with estimates of the costs of a substation and of power.

Galt—Improvements were made to the distribution system by the local staff. Modern outdoor switching was installed on two 13,200-volt stations, also a new metal-clad secondary switch gear. The crossing over the Grand river on the Concession road bridge was replaced by a steel-tower, single-span crossing of a substantial modern type.

A large industrial plant shut down its steam engine and replaced it with an A.C.-D.C. converter, of 250-horsepower capacity. This is a new load on the Galt system. In 1934 the Commission made a power study in this plant with the result that this load was secured by Galt.

Glencoe—The Glencoe Public Utilities Commission purchased and remodelled the building occupied by it in the main business section.

Goderich—A rather uncommon arrangement of equipment was installed in the large grain elevator. A wound-rotor, 250-horsepower, 550-volt induction motor was coupled to the countershaft of the steam engine which drives a 60-cycle generator in such a manner that a very flexible use of combined steam and electric power, was obtained.

Kitchener—Approximately two miles of primary and secondary distribution lines were reconstructed and three 110-kv-a., 550-volt transformers were purchased to replace three 50-kv-a. transformers. This change was necessitated by the installation of additional motors in an industrial plant.

Merritton—A 1,500-kv-a transformer was purchased and installed to give service to the Garden City Paper Company.

Norwich—An addition was made to the Public Utilities Building to provide better facilities for meter testing and repairing.

Palmerston—Due to improvements on Main Street, the Commission's 26,000-volt line was removed and re-routed. Ornamental street-lighting equipment is to be installed on this street.

Preston—The local utility office was moved from the town office and set up in separate premises.

St. Marys—A power study of an industrial plant driven by a steam engine was made by the Commission. A possible substantial saving in power costs by the substitution of motor drive was shown by the report.

St. Thomas—The Hydro-Electric Commission was replaced by a Public Utilities Commission, which now operates the local Hydro system, waterworks and gas utilities. To accommodate the additional staff an extension to the present office building is being constructed.

Simcoe—The outgoing feeders from the substation were revised in conjunction with work done on the transformer bank.

Stratford—Power studies were made in three industrial plants in which steam power was used. One of these plants shut down its steam engine in August, the entire plant now being electrified. The increased load is approximately 70 horsepower. Another plant, which will have an estimated load of 275 horsepower, is planning to change to electric power early in 1936.

Tillsonburg—Arrangements have been made to extend the distribution system to supply power for the pumps at a new well, located south-east of the town.

Windsor—The municipalities of Sandwich, Windsor, Walkerville and East Windsor were amalgamated on July 1, 1935, and the municipality thus formed named the city of Windsor. The Windsor Utility Commission was created to administer the hydro-electric systems, as well as the other utilities. After alterations to the building are made, it is expected that the Hydro staffs of the four systems will be combined in the Windsor Hydro building.

GEORGIAN BAY SYSTEM

In this system increases in loads were recorded by 42 urban municipalities and 23 rural power districts and small decreases occurred in 23 urban municipalities and 11 rural power districts. Five rural power districts recorded no change in load. Due to the fact that nearly every urban centre within the boundaries of the system is now a partnership municipality under *The Power Commission Act*, much of the increased load on this system will, in future, probably come from rural power districts. Many of the more important summer resort districts of the Province lie within the boundaries of the Georgian Bay system.

In the Port Perry rural power district, a new 300-kv-a transformer station was placed in operation to take care of rural load exclusively. Formerly the municipal transformer station supplied both urban and rural districts.

No other substantial changes or extensions were required in generating plant, transmission lines or transformer stations. Assistance, however, was rendered by the Commission to the various municipalities in connection with engineering and maintenance, the application of rates, and the operation of the local distribution systems.

EASTERN ONTARIO SYSTEM

In this system the loads of the municipalities continued to increase during 1935 but at a somewhat lower rate than during the previous year. Increases were recorded in 39 urban municipalities and in 29 rural power districts, and decreases occurred in 15 urban municipalities and 3 rural power districts. Power supplies were ample to meet requirements.

General engineering advice and assistance were given by the Commission to nearly all the municipalities comprising this system.

Certain municipalities received special engineering advice and assistance in connection with the following items:

Alexandria—Assistance was given in adjusting some accounts and collection of arrears.

Lindsay—Negotiations were carried on with the municipality with regard to the purchase of the Fenelon Falls generating station owned by the Commission.

Orono—Estimates and data were submitted with regard to the purchase by the municipality of the Orono distribution system. By-laws were submitted to the electors on January 7, and were defeated.

THUNDER BAY SYSTEM

The municipalities of this system experienced a successful year both from a financial and operating standpoint. Substantial increases in load were recorded by Port Arthur and the rural power districts, and a small decrease occurred in Fort William. In the Little Long Lac and Sturgeon River districts, the loads of the two mining companies served increased, and information was submitted to several other mining companies, a number of which, it is anticipated, may be ready to sign power contracts during 1936. Increased load was also taken by the various pulp and paper mills in the district, all of which operated during each month of the year.

A survey was made to determine the cost of serving the pulp and paper industry and a report was submitted to Port Arthur and Fort William relating to the possibility of supplying power to the four operating mills at reduced rates.

Substantial revenues were secured from the sale of at-will power to electric steam-generating plants situated at three of the large pulp and paper mills.

Engineering assistance and advice concerning the maintenance and operation of their local distribution systems was given to the cities of Fort William and Port Arthur and the village of Nipigon.

MANITOULIN RURAL POWER DISTRICT

No major extensions were made to the distribution lines in this district. Some new customers were served however, and a substantial increase was recorded in the peak load. A study was made concerning the possibility of supplying power to Little Current, Shequindah and Manitowaning, but it was found that conditions were not favourable for undertaking this work at the present time.

NORTHERN ONTARIO PROPERTIES

In the Northern Ontario properties, which are operated by the Commission for the provincial government, increases in load were recorded by four of the five urban municipalities and two of the three rural power districts. Very substantial increases however, were recorded in connection with the power sold to mining companies in the Abitibi district.

Engineering assistance and advice relating to the generation, transmission and distribution of electrical energy was given to urban and rural communities in the districts of Sault Ste Marie, Kenora and Rainy River, although as yet the Commission has made no capital commitments in these areas.

The following paragraphs relate to work undertaken in connection with municipalities and customers served in the several active districts in Northern Ontario.

Nipissing District

The loads taken by the urban municipalities and rural power districts in this district, remained fairly constant as compared with the previous year.

Sudbury District

This district comprises the territory served at 60-cycles in and around the city of Sudbury. Power is supplied to the city of Sudbury and to several large mining companies in the Sudbury basin. During the year a new contract was signed with the city of Sudbury, and the distribution system in that municipality, formerly owned by the Commission for serving power customers only, was sold to the city and included in its local distribution network.

Assistance was given to Sudbury in connection with a revision of its rate schedules covering all classes of consumers, and new rates authorized and approved by the Commission were placed in force. The Sudbury transformer station is being re-constructed; obsolete equipment is being replaced and increased capacity provided. It is expected that this new station will be completed and placed in operation early in 1936.

The transmission line (formerly the property of The Treadwell Yukon Mining Company) between the Coniston development of the Commission and the Company's mining property near Chelmsford, was purchased by the Commission and will be utilized to supply a second transmission circuit for Sudbury. It will also serve the town of Capreol and adjacent consumers.

Contracts for a supply of power to the town of Capreol, for local distribution and for the Capreol terminal of the Canadian Northern Ontario Railway, were signed and service was given on May 1. A transmission line owned by the Canadian Northern Ontario Railway between Sudbury Junction and the town of Capreol was purchased by the Commission. It was re-constructed and is now used to serve the transformer stations of the municipality and the Railway Company in accordance with their power contracts.

Information was supplied to a number of townships adjacent to Sudbury concerning the possibility of providing rural service.

Abitibi District

This district comprises the territory lying within transmission distance of the Abitibi Canyon development, and includes the mining districts adjacent to Sudbury, Kirkland Lake, Larder Lake, Matachewan, Ramore and Timmins.

There was a substantial increase in the amounts of power required by customers already under contract, one company alone increasing its demand by approximately 5,000 horsepower. Several new contracts were signed which required the construction of new transmission lines and transformer stations. These new contracts were for large blocks of power and were made with two mining companies in the Porcupine camp, one in the Larder Lake camp, one at Falconbridge and one near Ramore. Approximately 75 different mining companies in the area served by the Abitibi Canyon development were given information concerning the purchase of power for mining operations and several additional mining contracts are now being negotiated. The power required for the new mining properties under contract will not be delivered until next year. Based on this load, plus that anticipated but not yet covered by contract, the increase in 1936 over the early portion of 1935 is estimated at approximately 100 per cent for firm power and 25 per cent for surplus "at-will" power.

To enable the Commission to supply the growing loads in this district it was decided to install three new generating units at the Abitibi Canyon development, all of which will be placed in operation in 1936. These units are approximately 55,000 horsepower each, and the increase in installed capacity in this development will, therefore, be 165,000 horsepower, with the total installed capacity of the completed development 275,000 horsepower.

A 1,000-kv-a transformer station and 2.56 miles of 22,000 volt transmission line were installed at Timmins during the early part of the year to supply load contracted for in 1934. To supply additional load contracted for later on in 1935 it was found necessary to restring the original line with larger conductor and to construct an additional 13.53 miles of 22,000-volt line. It was also found necessary to increase the capacity of the Timmins transformer station to 4,500 kv-a. The new equipment at this station will be completed and placed in operation early in 1936.

To serve the Larder Lake camp, a new 4,500-kv-a transformer station and 17.66 miles of 110,000-volt transmission line were constructed. Both line and station will be completed and placed in operation early in 1936. A new 1,500-kv-a transformer was ordered as spare equipment for the Matachewan transformer station and changes of a minor nature were made in the Kirkland Lake transformer station through which both the Matachewan and the Larder Lake areas are supplied. To supply 25-cycle power to a large mining property in the Sudbury district a new 4,500-kv-a transformer station and 14.62 miles of 110,000-volt transmission line were constructed. This new line and station will be placed in operation early in 1936. A survey was also made for an additional high-tension transmission line between Iroquois Falls and Kirkland Lake to provide for better service by means of duplicate transmission circuits to the latter point.

At Ramore, a new 1,000-kv-a transformer station and two transmission feeders, each approximately three miles in length, were constructed to supply

power to two mining properties for which contracts were signed at the close of last year and the beginning of the current year respectively.

In the West Shiningtree district, negotiations respecting power supplies were carried on with a number of mining properties and detailed estimates of the cost of constructing the necessary transmission lines and transformer stations were prepared.

At Matachewan townsite, a distribution system was constructed and contracts for lighting service were signed with approximately one hundred individual consumers. Provision was also made for constructing distribution systems in the hamlet of Ramore and the town of Matheson and a transformer station at the Vimy mine with low-voltage connecting feeders. This work was started near the close of the current year, and it is expected that Hydro service will be available to both places early in 1936.

Engineering assistance was given to the town of Timmins and the township of Teck in connection with valuing the distribution systems of the Northern Canada Power Corporation in these two municipalities with a view to a possible change to Hydro service.

Espanola District

This district includes the territory within transmission distance of the Abitibi Power & Paper Company's power development at Espanola, from which source power is purchased to serve mining properties.

At the present time only one mine is being served, but during the year information respecting power supply has been submitted to several other companies.

Patricia District

This district includes that portion of Patricia district which lies within transmission distance of the Ear Falls development at the outlet of Lac Seul on the English river.

In past years only one mining property was served in this district, but during the year 1935 two additional contracts for power supply to mining companies were signed, and a large increase in load resulted. Negotiations have been conducted with five additional mining companies in this area, and it is anticipated that sufficient new load will shortly be obtained to warrant the installation of a second generating unit at Ear Falls development.

St. Joseph District

This district comprises the area which can be served by the Rat Rapids development on the Albany river at the foot of lake Joseph. This development was completed during the year and power was supplied to two mining properties. Before the close of the year the power demand of these two mines required the entire output of the installed generating capacity and negotiations were carried on with the two mining companies respecting additional blocks of power which would require the installation of a second generating unit. With two units installed, the maximum possible output of the development would approximate 3,000 horsepower.

RURAL ELECTRICAL SERVICE IN ONTARIO

ALTHOUGH the Province of Ontario extends over a vast area of 400,000 square miles, the southern part of the Province commonly known as "Old Ontario" comprises most of the settled area. In this territory there is an assessed area of approximately 40,000 square miles containing about two million acres, of which 75 per cent is land cleared for agricultural purposes. The total rural population in this area exceeds 1,100,000.

The Commission estimates that within reasonable transmission distance of existing transmission lines and stations, about 65,000 farms may be served and that at the end of 1935, nearly one-half of these farms were receiving electrical service.

There are 171 operating rural power districts and power is delivered to approximately 68,000 rural consumers, comprising farms and dwellings in various groups. The consumers are situated in 358 townships and 93 police villages and are served over networks of rural primary lines, which aggregate nearly 10,000 miles. In addition to the 358 townships served by rural power districts, 10 townships are served jointly by rural power districts and voted areas.

The widespread use of modern conveniences such as the telephone, the automobile and more recently the radio, has brought the rural dweller into close touch with the life of the cities; the annual fairs and exhibitions and his more frequent visits to larger centres of population have made him familiar with the application of electrical appliances and machinery as a means of providing greater comfort in the home and freedom from the drudgery of certain farm work. Perhaps the most persuasive argument to the farmer is his knowledge of the benefits electrical service has brought to his neighbour. Once the progressive farmer installs electrical service he does not rest content until he has secured additional equipment to enable him to obtain fuller advantages from the service.

The Commission desires, in every reasonable way to encourage the more liberal use of electrical service in rural areas, especially by the farmers. Under the policy of service at cost, combined with the substantial contributions of the Province to aid rural electrical service, the Ontario farmer receives service at an exceptionally low cost and this low cost can be still further lowered and the service extended by the co-operation of the rural consumer. The Commission has observed that quite a large proportion of consumers in rural power districts fail to make much more than a minimum use of the service and do not appear to appreciate fully how much more service can be obtained by a comparatively small addition to their monthly bills. The service charge

to the farmer is necessarily somewhat higher than in the city, but the number of kilowatt-hours charged for at his first energy rate is usually smaller than in cities and villages. Consequently, a very moderate use of energy brings him into the position where additional energy can be obtained for the low follow-up rates in force.

Uses for Electricity

Each year the progressive farmer of Ontario finds many new uses for electrical service. It would be impossible in this Report to describe these at length, but they may be classified under the following heads:

Lighting Service—Electric lighting is safe, convenient and time saving. It adds to the comfort and attractiveness of the farm home and reduces fire hazard to a minimum. Against the cost of energy for lighting may be set the cost of coal oil or candles. Even at 6 cents per kilowatt-hour, a 40-watt lamp can be operated nearly 24 hours for 5 cents.

The progressive farmer is using controlled lighting for increasing the production of eggs and, what is more important from the viewpoint of financial returns, obtaining a greater proportion of the annual egg yield during the months when prices are high.

Power Service—Next to lighting the energy used for mechanical purposes gives the most valuable service for the money expended for electricity.

In the farm home washing machines, vacuum cleaners, fans and furnace blowers contribute to making the farm home equal in comfort to one in the city. Motor driven pumps supply water for sanitary systems and general house and farm use.

In the barn, dairy and workshop of the farm, electric motors may be employed for chopping feed, wood cutting, hay hoisting, milking, cream separating, churning and the many purposes of the farm workshop. Electric milking machines reduce labour at milking time to one-half and their regular use increases the milk flow and fat content.

The Commission supplies free energy for operating washing machines and pumps for the use of water under pressure for sanitary purposes. With energy at the 2-cent per kilowatt-hour rate, a $\frac{1}{4}$ horsepower motor can be operated at full load for three hours for 1 cent. As actually used in motor driven appliances, the motors frequently operate at less than full load or, under automatic operation as in pumping and refrigeration, for only 25 to 50 per cent of the 24 hours.

Electric Refrigeration—This is a special application of power service. Its use promotes health and comfort and reduces food losses. Ice obtained from neighbouring ponds is frequently contaminated and has endangered the health of many farm dwellers. Electric refrigeration is of special assistance in connection with dairy operations. The farmer can accumulate his separated cream for a few days with safety and can improve the marketing quality of his milk by cooling. It is also useful in egg storage.

Heating Service—Under this head come: the minor appliances of hand irons, toaster and hot plate which owing to their intermittent use consume



RURAL ELECTRICAL SERVICE IN ONTARIO

Under-soil electrical heat for propagating seeds and developing eggplants for the field at Burlington. Produced almost 100 per cent results as compared with about 30 per cent results using greenhouse heat from standard heating plant



RURAL ELECTRICAL SERVICE IN ONTARIO

Harvesting eggplants in Burlington district from plants propagated by under-soil electrical heat. Harvest was weeks earlier than from areas in which plants used were propagated by greenhouse heat only

relatively small quantities of electricity per month; the major heating appliances of ranges and water heaters which need relatively large quantities of energy for their operation, and the special applications of electricity for incubating, brooding, etc., and for soil heating which only becomes economically profitable when the current used is available at specially low rates.

The electric range although a heavy user of current is efficient and the cost of operation is more than offset where the farmer can more profitably employ his time than in hauling and chopping wood for the stove. It is safer and in summer provides cool cooking in comfort for the farmer's wife and also leaves her free to undertake more profitable work.

Entertainment Service—Radio.—Radios provide entertainment, general information and a familiarity with current events and market prices which have done much to make life on the farm more attractive and profitable. The Commission provides free energy to all rural consumers to operate licensed alternating-current radios. The many applications of power in a farm workshop will provide countless hours of profitable recreation and pleasure.

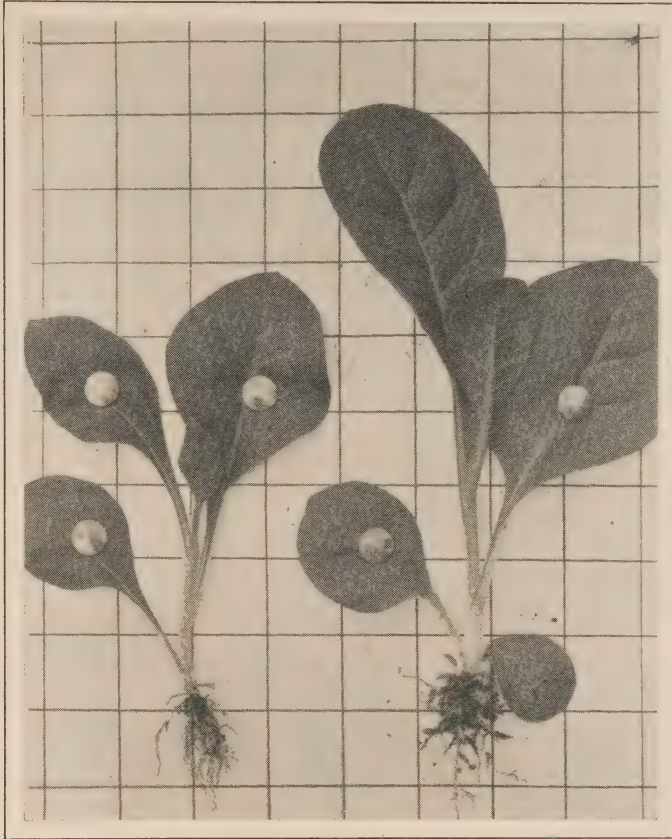
Miscellaneous.—The miscellaneous applications of electricity seem only to be limited by the ingenuity of the farmer in adapting this modern flexible agent to his various needs. It is used when spraying against insects and to paint the barn, for incubating, brooding and for the control of humidity and ventilation in connection with poultry raising, to prevent the freezing of vegetables, to cook supplementary food for hogs and in countless other ways.

Recent Benefits to Rural Consumers

Reduced Service Charges Effective November 1, 1935

After much study of various means of securing a lower service charge to all rural consumers, it was concluded that certain fixed charges associated with the capital investment, could now be reduced to an extent which would permit the Commission to make a substantial reduction in the monthly service charges. The following table compares the new and the former maximum service charges:

Class of consumer	Service	Former maximum net service charge per month, in force since Jan 1, 1930	New maximum net service charge per month, in force on Nov. 1, 1935
		\$ c.	\$ c.
1B	Hamlet lighting.....	1.35	1.20
1C	Hamlet lighting, plus range.....	2.10	1.90
2A	House lighting.....	1.55	1.40
2B	Small farm service.....	2.10	1.90
3	Light farm service.....	2.50	2.00
4	Medium farm service (one phase).....	2.70	2.15
5	Medium farm service (three phase).....	3.75	3.00
6A	Heavy farm service (one phase).....	4.65	3.70
6B	Heavy farm service (three phase).....	5.30	4.25
7A	Special farm service (one phase).....	6.95	5.55
7B	Special farm service (three phase).....	8.35	6.70



RURAL ELECTRICAL SERVICE IN ONTARIO

Comparison of tobacco plants propagated in the same greenhouse, with (right) and without (left) under-soil electrical heat

Free Service

The free current given in 1934 to operate electric washing machines, electric pumps to provide water under pressure for household sanitary systems, and licensed alternating current radios, was continued during the year.

This offer is still available to all present farm and hamlet customers (excepting summer cottages) now supplied from all Hydro rural power district lines in Ontario, who are paying standard rural rates approved for each district. It applies also to all new farm and hamlet homes which may be added to these lines as consumers during the three-year period.

Maximum Consumption Charge

The Commission has found that the maximum economic limit of the first domestic use throughout the rural power districts of the Province is 6 cents per kilowatt-hour. In all rural power districts where the first consumption rate exceeded 6 cents per kilowatt-hour, this rate therefore was reduced to a maximum of 6 cents per kilowatt-hour. The maximum second rate of 2 cents per kilowatt-hour applies to all districts.

New Low Third Consumption Rate for Long-Hour Users

In 1934 the Commission made available for rural consumers a special energy rate for long hour uses of power by rural consumers. This particularly affects under-earth heating (hot-beds) and heating of water. Where the extra use of energy may be obtained from the present equipment, a third follow-up rate per kilowatt-hour of 0.75 cents gross, is given in all districts. The first rate remains unchanged, except that as pointed out above it is subject to a maximum of 6 cents per kilowatt-hour, and the kilowatt-hours to be charged at the first rate remain unchanged. The number of kilowatt-hours to be charged at the second rate varies both with the class of service and the first kilowatt-hour rate. At the head of the table of rural rates at the end of this section, is a schedule which shows the class of service, the number of kilowatt-hours per month to be charged for at the first rate, and the number of kilowatt-hours at the second rate according to the governing first rate.

Provincial Government Aids Rural Electrical Service

Assistance respecting electrical service is given by the Province to farmers and rural residents in three ways, namely:

First—A “grant-in-aid” toward the initial capital cost of supplying electrical service, amounting to 50 per cent of the cost of line and secondary equipment necessary to deliver power from the supply point of the Commission’s stations or of a city, town, village, etc., to the customer’s property. This is the maximum amount provided for by *The Rural Hydro-Electric Distribution Act*.

Second—Authority was granted to the Commission by the Province in *The Rural Power District Service Charge Act*, 1930, to fix a maximum service charge for any class of service in a rural power district. Where as may be the case in newly established rural power districts such maximum service charge is not sufficient to meet the necessary cost of service, as specified by the Commission, the deficit is chargeable to and payable out of the Consolidated Revenue Fund of the Province. Payments made out of the Consolidated Revenue Fund for this purpose, on account of any rural power district, are charged to that rural power district in a special account—known as the “Rural Power Service Suspense Account”—in the books of the Treasurer of Ontario, and any surplus thereafter arising from any maximum service charge in that rural power district is paid to the Treasurer of Ontario and placed to the credit of the rural power district in such suspense account until the deficit is wiped out. Where a temporary deficit arises in any rural power district owing to the application of the maximum service charge, such maximum service charge must remain in force and be charged in that rural power district until the deficit is wiped out.

The following tabulations show the maximum service charge, in effect since January 1, 1930, and the new maximum service charge which will come into effect November 1, 1935.

SERVICE CHARGES IN RURAL POWER DISTRICTS
With Provincial Grant-in-Aid—25-cycle and 60-cycle Service

Class of rural service	Units per consumer*	Approx. number of customers per mile of line	Demand allowed consumer in k-w.	Kilowatt-hours per month at first rate	Jan. 1, 1930 to Oct. 31, 1935		Effective Nov. 1, 1935	
					Net annual service charge	Net monthly service charge	Net annual service charge	Net monthly service charge
					\$ c.	\$ c.	\$ c.	\$ c.
1B	2.25	6.8	1.32	30	16.20	1.35	14.40	1.20
1C	3.75	4.0	2.0	30	25.20	2.10	22.80	1.90
2A	1.90	8.0	1.32	30	18.60	1.55	16.80	1.40
2B	3.50	4.3	2.0	30	25.20	2.10	22.80	1.90
3	5.00	3.0	3.0	42	30.00	2.50	24.00	2.00
4	5.35	2.8	5.0	70	32.40	2.70	25.80	2.15
5	7.50	2.0	5.0	70	45.00	3.75	36.00	3.00
6A	12.50	1.2	9.0	126	55.80	4.65	44.40	3.70
6B	12.50	1.2	9.0	126	63.60	5.30	51.00	4.25
7A	20.00	0.74	15.0	210	83.40	6.95	66.60	5.55
7B	20.00	0.7	15.0	210	100.20	8.35	80.40	6.70

*Before a rural primary line is constructed contracts equivalent to 15 primary units per mile must be signed. (For explanation of units see accompanying text.) Thus three Class 3 consumers at 5 units each equals 15 units. Service charges are adjusted so that each class of service bears its equitable share of the cost.

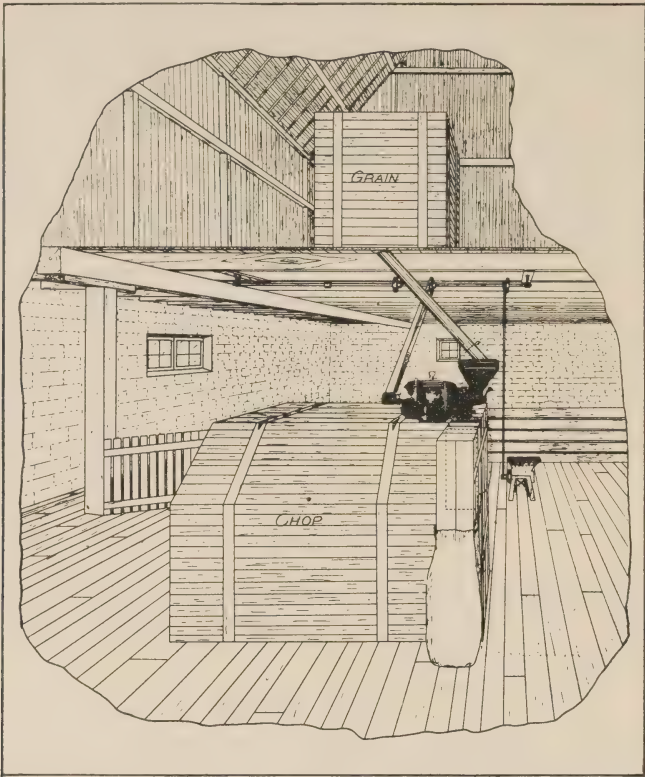
Note—For classification of services see page 86.

Third—An Act—*The Rural Power District Loans Act, 1930*—to provide for granting aid towards the installation of electrical works in rural power districts was passed in 1930. The purpose of the Act is to provide, subject to regulations, advances toward the installation of electrical services in rural power districts. Aid may be granted for the wiring from the transmission or distribution lines of the Commission into and throughout dwellings, farms, out-houses, and any other works which may from time to time be specified by the regulations. In addition to the wiring, loans may be obtained on transformers, motors, or other appliances, as may be necessary or expedient for any industrial, agricultural or domestic purpose which may be specified in the regulations.

Rural Loans

Under *The Rural Power District Loans Act, 1930*, authority was given to the Hydro-Electric Power Commission to finance the installation of wiring and the purchase of specified electrical farm equipment by rural farm consumers. The Commission, during the past year, granted 169 loans to farm consumers for the above purpose.

During the fiscal year ending October 31, 1935, there were received 235 applications for loans; of these 24 applications were withdrawn, 28 did not fulfill the requirements, 8 were being investigated and 22, having been approved by the Commission, were awaiting the receipt of final papers. In one case the applicant changed his mind after the cheque was issued and did not require the loan. Of the 22 applications held over from last fiscal year 17 were finally approved. The total of 169 loans granted during the fiscal year is more than twice the number granted during the previous year.



RURAL ELECTRICAL SERVICE IN ONTARIO

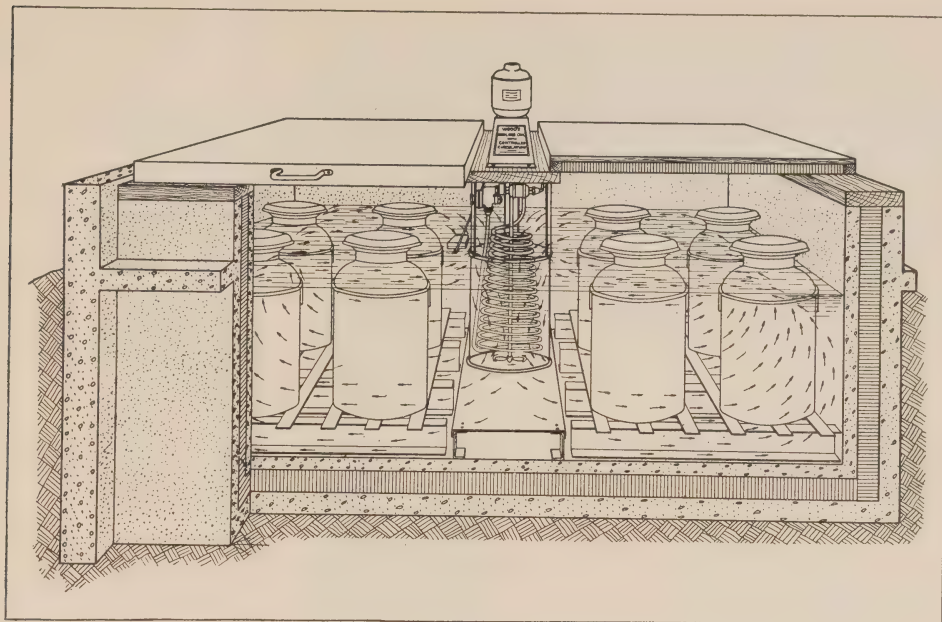
The utility-motor chopper set up as shown permits chopping to be done while the operator is otherwise employed in the barn. The line shafting, when belted to the motor, will supply power for many other machines used in the barn

Since the rural power district loans act was put into force 837 applications have been received and 622 loans were made. The following table shows the number of loans made in the rural power districts in the various systems.

LOANS GRANTED TO CONSUMERS IN RURAL POWER DISTRICTS

System	Total to Oct. 31, 1934		Nov. 1, 1934 to Oct. 31, 1935		Total to Oct. 31, 1935	
	No.	Amount	No.	Amount	No.	Amount
Niagara.....	331	\$ 66,430	153	\$ 28,875	484	\$ 95,305
Georgian Bay.....	91	25,027	14	3,105	105	28,132
Eastern Ontario.....	25	6,680	2	470	27	7,150
Thunder Bay.....	1	335			1	335
Manitoulin R.P.D.....	5	1,060			5	1,060
Totals.....	453	99,532	169	32,450	622	131,982

The average loan is \$212.05.



RURAL ELECTRICAL SERVICE IN ONTARIO

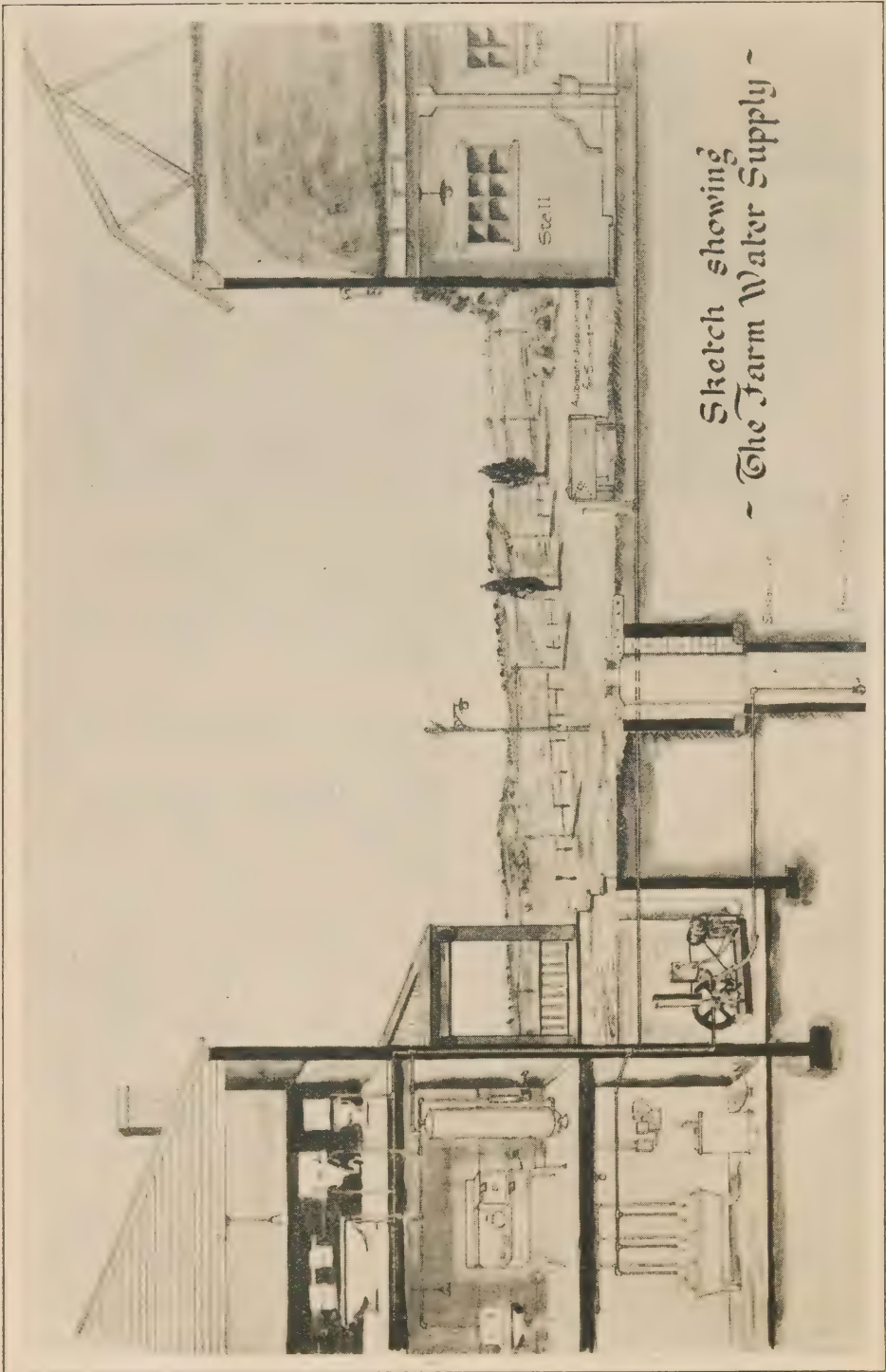
Milk cooling by electric refrigeration with agitation is now being used by progressive Ontario farmers to their economic advantage. It is reported that this method of cooling is less expensive, more reliable and certainly cleaner than ice

DETAILS RESPECTING RURAL LOANS GRANTED TO OCTOBER 31, 1935

Items applied for (including installation) in loans which have been made	Totals for 453 loans made to Oct. 31, 1934		For 169 loans made during year ended Oct. 31, 1935		Total for 622 loans made to Oct. 31, 1935	
	Number affected	Cost to consumers	Number affected	Cost to consumers	Number affected	Cost to consumers
		\$ c.		\$ c.		\$ c.
Service.....	187	10,107.88	30	1,633.91	217	11,741.79
House wiring.....	186	18,336.90	28	1,971.83	214	20,308.73
Building wiring.....	188	16,008.40	36	2,069.67	224	18,078.07
Motors.....	41	4,117.96	3	410.00	44	4,527.96
Grain grinders.....	264	47,673.72	117	24,020.00	381	71,693.72
Pumping systems.....	18	2,102.53	16	2,140.79	34	4,243.32
Milking machines.....	6	1,466.00	1	300.00	7	1,766.00
Washing machines.....	26	2,892.00	5	389.00	31	3,281.00
Milk coolers.....			9	1,845.00	9	1,845.00
Totals.....		102,705.39		34,780.20		137,485.59

Respecting the 622 loans made to October 31, 1935, the following table shows the number of loans made for each term of years:

One year term.....	7 loans	Six year term.....	10 loans
Two " ".....	10 "	Seven " ".....	79 "
Three " ".....	55 "	Eight " ".....	9 "
Four " ".....	18 "	Nine " ".....	0 "
Five " ".....	396 "	Ten " ".....	38 "



Sketch showing
- The Farm Water Supply -

RURAL ELECTRICAL SERVICE IN ONTARIO

A complete automatic water system for farm water supply to the house, barn and water trough, provides all the conveniences of water service that city dwellers enjoy. The above sketch shows a complete layout, excepting the tank and affluent disposal, which must be located in an area remote from the well

Up to October 31, 1935, 88 loans had been repaid in full, either through the maturing of the loan or because of the improved financial position of the borrower.

The application of the rural power district loans act was extended during the year to include approved electric soil heating equipment and electric stoves.

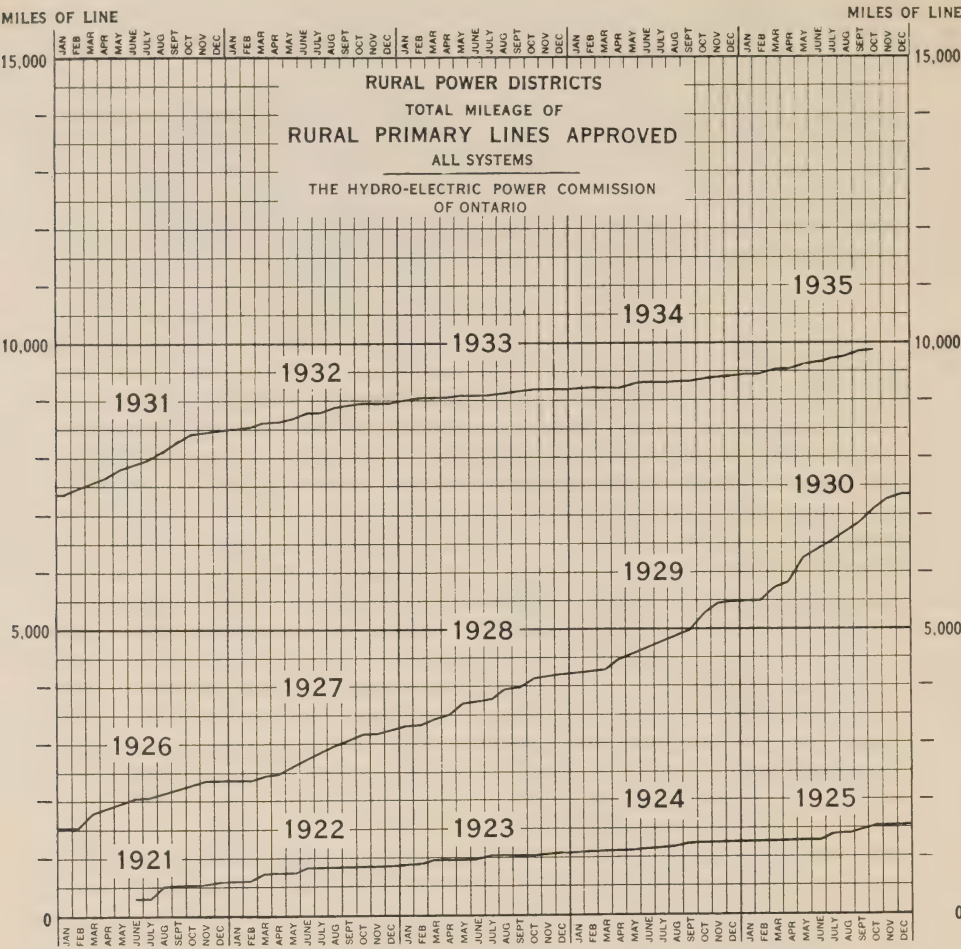
During the last two months of the fiscal year there was again a marked increase in the number of applications for loans.

Provincial Assistance to Rural Consumers

The extent and effect of the Province's financial assistance with respect to the distribution of power in rural districts should be clearly understood. The Government grant-in-aid relates solely to the initial capital investment for distribution facilities in rural power districts. Having made its grant-in-aid the Government further participates in the operation of each district in that it guarantees a maximum service charge, otherwise its participation in the operation of the property ceases. Each rural power district pays the cost of operation, maintenance and administration of its lines. The Commission also set up, until October 31, 1935, reserves for renewals, obsolescence and contingencies on the whole of the equipment and lines, as well as sinking fund on the investment made by the Commission on behalf of the townships served. Beginning November 1, 1935, however, no further provision will be made for contingencies as it is considered that the present accumulated contingency fund is sufficient to take care of this situation; similarly the renewal charges have been reduced by one-eighth.

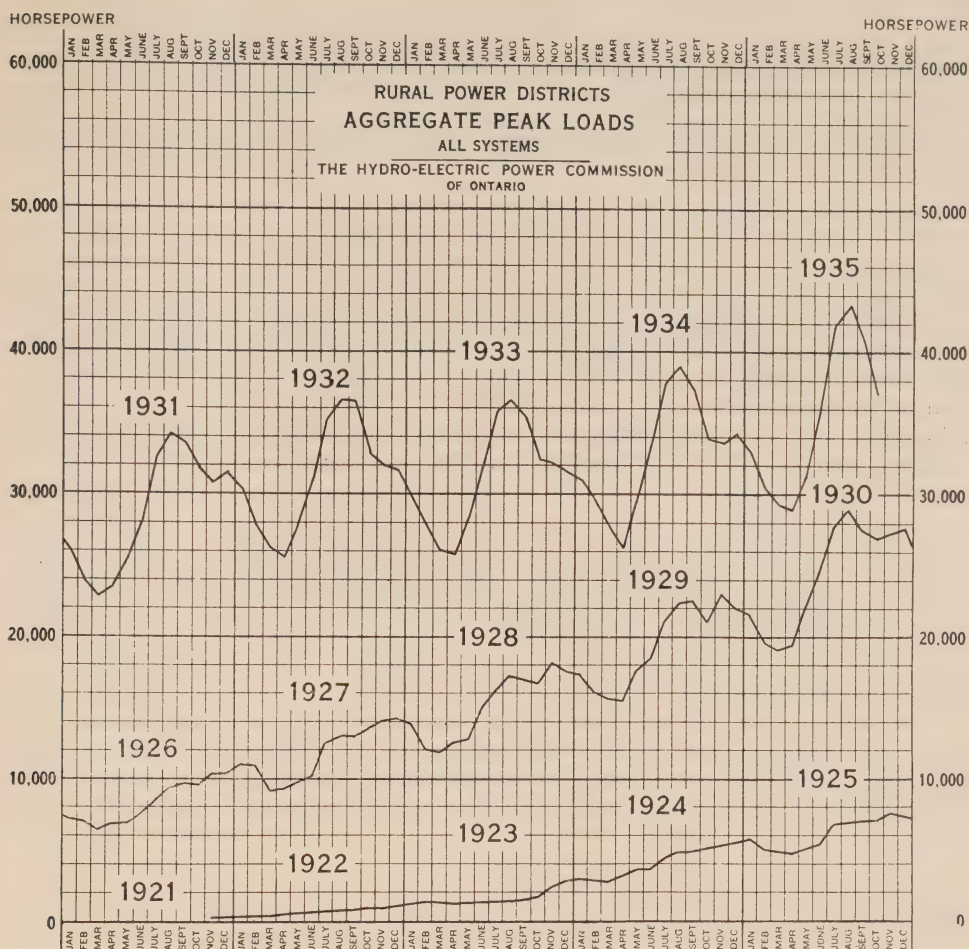
Respecting the monetary savings to consumers resulting from the Ontario Government's assistance in connection with the distribution of power in rural power districts, and from the efforts of the Commission to develop economical methods of construction and operation, it is estimated that rural consumers have benefited by nearly \$4,000,000 since the rural power district plan was introduced in 1921, and that these savings will amount to about \$1,000,000 per annum in the future. An estimate of some of the more important items follows:

	Accumulated benefit from 1921 to 1935 \$	Future yearly benefits \$
1. Saving to rural consumers on account of Government assistance, including interest and sinking fund on capital grant-in-aid, also guarantee of maximum service charge.....	3,830,000	640,000
2. Saving to rural consumers by the Commission on account of reduction in fixed charges on investment and reserves.....		225,000
3. Saving to rural consumers by the Commission on account of free service.....	70,000	70,000
4. Saving to rural consumers by the Commission due to application of low third consumption rate to encourage long hour uses, such as hot beds, etc.....	54,600	54,600
	<u>3,954,600</u>	<u>989,600</u>



RURAL LINE EXTENSIONS APPROVED BY THE COMMISSION DURING THE YEAR 1935

System	Miles of primary line	Number of consumers			Power supplied in October, 1935	Capital approved for extensions	
		Hamlet	Farm	Total		Total	Provincial grant-in-aid
Niagara.....	327.29	1,001	1,414	2,415	h.p. 28,157	\$ 894,829.00	\$ 447,414.50
Georgian Bay.....	61.72	432	143	525	2,594	167,698.00	79,858.50
Eastern Ontario.....	145.28	522	354	876	6,092	343,554.00	171,777.00
Thunder Bay.....	0.37	16	12	28	158	4,643.00	2,321.50
Manitoulin R.P.D.....		8	3	11	114	965.00	482.50
Northern Ontario properties: Nipissing district....	3.50	44	13	57	75	12,056.00	6,028.00
Total.....	538.16	2,023	1,939	3,962	37,190	1,423,745.00	707,882.00



SUMMARY OF RURAL LINE EXTENSIONS
As Approved by the Commission from June 1, 1921 to Oct. 31, 1935
Constructed or Under Construction

System	Miles of primary line	Number of consumers			Capital approved for extensions	
		Hamlet	Farm	Total	Total	Provincial grant-in-aid
Niagara.....	7,081.86	24,042	24,070	48,112	\$ c. 15,820,253.89	\$ c. 7,886,864.94
Georgian Bay.....	950.11	4,755	2,023	6,778	1,995,270.95	952,517.49
Eastern Ontario.....	1,807.86	7,536	4,459	11,995	4,051,609.31	2,025,804.65
Thunder Bay.....	81.35	139	176	315	148,014.00	74,007.00
Manitoulin R.P.D.....	37.25	153	23	176	64,578.00	32,289.00
Northern Ontario properties:						
Nipissing district.....	18.12	379	47	426	59,375.00	29,687.50
Total.....	*9,976.55	37,004	30,798	67,802	22,139,101.15	11,001,152.58

*This total includes 98.71 miles of primary line under construction on October 31, 1935, required to serve 443 new consumers.

The aggregate rural load distributed in October of this year shows a satisfactory increase on all systems. The October load in 1935 was about 9.5 per cent greater than the October load of the previous year.

The accompanying diagrams and tables illustrate the growth in rural electrical service in Ontario during the last fifteen years.

Construction

During the year applications received for rural electrical service required the construction of 538 miles of rural primary lines. Most of these primary lines were actually constructed during the year and the remainder will be completed early next year. The mileage of rural lines constructed during 1935 was approximately three times greater than during 1934. In the last sixteen years the 1935 construction has only been exceeded during six other years.

The total mileage of rural lines constructed, and under construction, to the end of 1935, to serve rural consumers, amounted to approximately 10,000 miles. The capital expenditure approved for rural construction during the past year was \$1,423,745 and the aggregate peak load in October 1935, reached 37,190 horsepower. For the coming year arrangements have been made to construct about 800 miles of additional rural lines.

The tabulation on page 76 shows the extensions approved during the year, the number of consumers, the amounts of power supplied, the capital expenditures and the amount of Provincial "grant-in-aid" of rural lines approved by the Government.

Rates for Rural Electrical Service

Rates to rural consumers are based upon service "at cost"—account being taken of the Provincial "grant-in-aid" for rural work and the operation of the provision for a maximum service charge—and as in urban centres the rates are made up of two parts, a service charge and a consumption charge. In any rural power district the service charge to a consumer depends primarily upon the individual connected load or demand which determines his class rating (see "Classification of Services") but this is modified in the earlier years of operation of a rural power district by the provision respecting maximum service charge; the consumption charge is based upon a first, second and third kilowatt-hour rate, the first and second rate being determined by the cost of power at the source of supply to the rural power district, and the third rate is the same for all consumers.

For the purpose of determining the service charge, each mile of line is assumed to represent a minimum of 15 units and to each class of service is assigned a value in such units. The table on page 71 gives this information and shows the annual and monthly net service charges applicable to each class of service. More than 90 per cent of the contracts entered into for farm service are either Class 2B or Class III. These, therefore, are the representative classes for individual farm service.

Rather more than half the consumers in rural power districts are grouped in hamlets or small villages closely identified with rural activities, and these consumers are usually in Class 1B or Class 1C. It is pointed out that rural power districts do not include suburban districts or larger villages. These have their own electrical utilities.

Usually new rural power districts begin at standard rural rates and these constitute the maximum rates submitted to the proposed consumers. As the average number of consumers per mile of line increases, the service charges may be, and in practice have been, reduced; and with increased consumption the rates per kilowatt-hour are also lowered. Thus, in older-established rural power districts the total cost of service is much below the initial standard rates.

Contracts with Consumers

For many years power agreements made between rural customers and townships were for a twenty year period. When rural power service was inaugurated on a principle of service at cost, this period was considered advisable for all rural contracts in order to protect the interests of the rural consumers themselves, as partners embarking in an undertaking involving collective responsibility for a substantial capital investment, to be liquidated over a period of years. The contract provision thus constituted, as between consumers, a mutual guarantee with respect to service charges. Without such assurance extensions in the early years would have been greatly hampered.

As the number of consumers on the rural lines constructed increased and rural consumers, generally, throughout the Province became better informed as to the possible uses of electric power on the farm, rural electrical service became well established.

In 1934 the Commission announced that a recommendation had been made to all township municipalities that they should pass a by-law, authorizing the Commission to reduce the term of existing and future rural contracts from twenty to five years in certain cases. These contracts were to continue in force from year to year after the expiration of the five-year period.

It is provided, however, that this change in contract term shall not take effect unless and until the Councils of all the various townships forming part of each rural power district pass by-laws approving such amendment in existing and future rural power contracts.

A consumer, who has a loan under *The Rural Power District Loans Act*, shall not be entitled to avail himself of cancellation of his rural contract with the township until after all obligations under the said loan have been discharged.

This change in term of contract does not apply to "guarantee" contracts.

At the end of 1935, all townships, excepting two, had passed the necessary by-law and five-year agreements are available in most rural power districts. The two townships concerned have not passed this by-law due to conditions which require further consideration.

At the end of this section a tabulation of the rural power districts shows the miles of line, the number of consumers and the rate schedules for each district of the several systems.

RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES

Rates shown in this table became effective November 1, 1935. Miles of line and number of consumers as at October 31, 1935.
NIAGARA SYSTEM

Class.....		Rural rates												Prompt payment discount on gross bill													
No. of kw-hrs. per month.....		1B	1C	2A	2B	3*	4	5	6A	6B	7A	7B	Gross consumption charges per kilowatt-hour		First energy rate	Second energy rate	Rate for all additional										
		30	30	30	30	42	70	70	126	126	210	210															
No. of kw-hrs. where first energy rate is		Monthly consumption charged for at second energy rate												cents	cents	cents											
less than 3 cts. 3 cts. 3.1 to 4 cts. 4.1 to 5 cts. more than 5 cts.		120	270	120	270	253	430	430	774	774	1290	1290	cents				cents	cents									
		105	240	105	240	228	380	380	684	684	1140	1140							cents	cents	cents						
		75	180	75	180	168	280	280	504	504	840	840										cents	cents	cents			
		60	150	60	150	133	230	230	414	414	690	690													cents	cents	cents
		45	120	45	120	103	180	180	324	324	540	540															
Property number		Gross monthly service charge												cents	cents	cents											
		\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.				\$ c.	\$ c.	%								
Acton.....	N5 D1	9.35	28	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	5	2	0.75										
Ailsa Craig.....	N4 D7	5.59	16	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2	0.75										
Alvinston.....	N18 D9	4.50	9	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2	0.75										
Amherstburg.....	N15 D3	67.61	609	1.20	1.90	1.40	1.90	2.00	2.16	3.00	3.70	4.26	5.56	6.70	3.5	2	0.75										
Aylmer.....	N11 D2	119.28	677	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	4.5	2	0.75										
Ayr.....	N12 D4	23.76	91	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	4	2	0.75										
Baden.....	N7 D1	100.73	471	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	3	1.5	0.75										
Beamsville.....	N44 D3	170.08	1,614	1.13	1.80	1.32	1.80	1.89	2.03	2.83	3.50	4.01	5.24	6.33	3	1.5	0.75										
Belle River.....	N15 D2	43.83	378	1.20	1.90	1.40	1.90	2.00	2.16	3.00	3.70	4.26	5.56	6.70	4	2	0.75										
Blenheim.....	N14 D3	61.58	333	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	4	2	0.75										
Bond Lake.....	N3 D3	174.05	1,718	1.10	1.80	1.32	1.80	1.89	2.03	2.83	3.50	4.01	5.24	6.33	3	1.5	0.75										
Bothwell.....	N14 D10	39.59	149	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	5	2	0.75										
Brampton.....	N13 D2	56.93	182	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	4	2	0.75										
Brant.....	N12 D1	119.36	631	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	3	1.5	0.75										
Brigden.....	N18 D8	36.91	121	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2	0.75										
Burford.....	N12 D2	53.50	282	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	4.5	2	0.75										
Caledonia.....	N2 D5	106.32	550	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	4	2	0.75										
Chatham.....	N14 D1	150.52	858	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	3.5	2	0.75										
Chippawa.....	N1 D7	28.20	188	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	3.5	2	0.75										
Clinton.....	N8 D11	70.61	384	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	5	2	0.75										

Delaware.....	N4 D3	143.20	697	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	4	2	0.75	10
Dorchester.....	N4 D1	113.53	623	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	4	2	0.75	10
Dresden.....	N14 D12	26.56	84	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	4	2	0.75	10
Drumbo.....	N12 D5	60.48	278	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	4	2	0.75	10
Dundas.....	N2 D1	127.88	815	1.30	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	3	1.25	0.75	10
Dunnville.....	N1 D9	19.73	115	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	5	2	0.75	10
Dutton.....	N11 D3	47.40	181	1.00	1.86	1.38	1.86	2.22	2.39	3.33	4.11	4.72	6.17	7.44	3.5	2	0.75	10
Elmira.....	N7 D3	26.05	94	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2	0.75	10
Elora.....	N5 D4	48.21	270	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	4	2	0.75	10
Essex.....	N15 D7	90.05	464	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	4.5	2	0.75	10
Exeter.....	N4 D6	70.20	682	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	5	2	0.75	10
Forest.....	N18 D6	50.13	190	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2	0.75	10
Galt.....	N6 D2	40.93	341	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	3	1.5	0.75	10
Georgetown.....	N5 D2	58.46	282	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	4	2	0.75	10
Godrich.....	N8 D2	50.69	195	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	5	2	0.75	10
Grantham.....	N44 D1	65.53	861	1.00	1.50	1.26	1.86	2.22	2.39	3.33	4.11	4.72	6.17	7.44	3	1.5	0.75	10
Guelph.....	N5 D3	99.41	605	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	3	1.5	0.75	10
Haldimand.....	N2 D8	77.23	361	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	4.5	2	0.75	10
Harriston.....	N8 D5	23.75	61	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	5	2	0.75	10
Harrow.....	N15 D4	68.58	661	1.20	1.90	1.40	1.90	2.00	2.16	3.00	3.70	4.26	5.56	6.70	4.5	2	0.75	10
Ingersoll.....	N10 D3	184.05	633	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	5.5	2	0.75	10
Jordan.....	N44 D2	39.99	414	1.06	1.86	1.38	1.86	2.22	2.39	3.33	4.11	4.72	6.17	7.44	3	1.5	0.75	10
Keswick.....	N3 D5	58.40	1,126	1.20	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	4	2	0.75	10
Kingsville.....	N15 D5	138.23	1,461	1.00	1.69	1.24	1.69	1.78	1.91	2.67	3.29	3.78	4.93	5.96	3	2	0.75	10
Listowel.....	N8 D8	82.15	357	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	4	2	0.75	10
London.....	N4 D2	200.47	2,280	0.90	1.59	1.14	1.59	1.67	1.79	2.50	3.09	3.54	4.62	5.59	3	1.5	0.75	10
Lucan.....	N4 D5	43.48	149	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2	0.75	10
Lynden.....	N2 D1	62.19	259	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	4	2	0.75	10
Markham.....	N3 D1	129.80	976	1.20	1.90	1.40	1.90	2.00	2.16	3.00	3.70	4.26	5.56	6.70	4	2	0.75	10
Merlin.....	N14 D15	96.61	344	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	5	2	0.75	10
Milton.....	N13 D3	71.51	361	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	4	2	0.75	10
Milverton.....	N8 D9	41.46	179	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	4	2	0.75	10
Mitchell.....	N8 D7	70.11	355	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	4.5	2	0.75	10
Newmarket.....	N3 D4	69.33	403	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	4	2	0.75	10
Niagara.....	N1 D1	51.15	326	1.20	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	3	1.5	0.75	10

*See footnote on page 86.

†Lowbanks extension.

‡Service charge \$1.20 in suburban area.

RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES
NIAGARA SYSTEM—Continued

Rural power district	Class	Rural rates												Gross consumption charges		Prompt payment discount															
		Property number	Miles of line	No. of consumers	1B	1C	2A	2B	3*	4	5	6A	6B				7A	7B													
														Gross monthly service charge																	
														\$	c.				\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	cents	cents	%
Norwich.....	N10 D1	118.09	526	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	3.5	2	0.75	10													
Oil Springs.....	N18 D3	21.14	115	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2	0.75	10													
Palmerston.....	N8 D6	38.56	115	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	4	2	0.75	10													
Petrolia.....	N18 D5	14.98	64	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2	0.75	10													
Preston.....	N6 D1	153.10	1,121	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	3	1.25	0.75	10													
Ridgetown.....	N14 D2	107.78	720	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	4	2	0.75	10													
St. Jacobs.....	N7 D2	71.34	391	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	3	1.5	0.75	10													
St. Marys.....	N9 D1	123.24	453	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	5	2	0.75	10													
St. Thomas.....	N11 D1	172.17	1,169	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	3	1.5	0.75	10													
Saltfleet.....	N17 D1	96.58	1,676	1.20	1.90	1.40	1.90	2.00	2.16	3.00	3.70	4.26	5.56	6.70	3	1.5	0.75	10													
Sandwich.....	N15 D1	130.76	2,035	1.00	1.69	1.24	1.69	1.78	1.91	2.67	3.29	3.78	4.93	5.96	3.5	1.5	0.75	10													
Sarnia.....	N18 D4	89.14	1,274	1.20	1.90	1.40	1.90	2.00	2.16	3.00	3.70	4.26	5.56	6.70	3.5	2	0.75	10													
Scarboro.....	N3 D2	91.85	886	1.13	1.80	1.32	1.80	1.89	2.03	2.83	3.50	4.01	5.24	6.33	4	2	0.75	10													
Seaforth.....	N8 D10	17.56	152	1.10	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	4	2	0.75	10													
Simcoe.....	N12 D6	75.12	397	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	4	2	0.75	10													
Stamford.....	N44 D4	8.77	305	1.30	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	3	1.5	0.75	10													
Stratford.....	N8 D4	37.17	234	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	3.5	2	0.75	10													
Strathroy.....	N4 D4	80.21	235	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2	0.75	10													
Streetsville.....	N13 D1	108.58	482	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	3.5	2	0.75	10													
Tavistock.....	N8 D1	93.16	330	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	5	2	0.75	10													
Thamesville.....	N14 D11	69.64	279	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2	0.75	10													
Tilbury.....	N14 D14	81.32	318	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	5	2	0.75	10													
Tillsonburg.....	N10 D4	121.27	630	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	3.5	2	0.75	10													
Wallaceburg.....	N14 D13	98.97	608	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	4	2	0.75	10													
Walsingham.....	N12 D7	135.12	609	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2	0.75	10													
Walton.....	N8 D3	45.10	274	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2	0.75	10													
Waterdown.....	N2 D3	71.61	990	1.20	1.89	1.39	1.89	2.00	2.16	3.00	3.70	4.26	5.56	6.70	2.5	1	0.75	10													
Waterford.....	N12 D3	73.01	326	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	5	2	0.75	10													
Watford.....	N18 D7	17.55	57	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2	0.75	10													

Welland.....	N1	D5	285.61	2,790	1.00	1.87	1.38	1.87	2.22	2.39	3.33	4.11	4.72	6.17	7.44	3	1.5	0.75	10
Woodbridge.....	N16	D1	213.92	1,089	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	3	2	0.75	10
Woodstock.....	N10	D2	130.17	690	1.30	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	3	2	0.75	10
Total, Niagara system, 7,081.82; 48,112.																			
*See footnote on page 86.																			
†See heading to first page of table.																			
GEORGIAN BAY SYSTEM																			
Alliston.....	S32	D1	24.64	149	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2	0.75	10
Arthur.....	E13	D2	2.40	8	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2	0.75	10
Bala.....	GB13	D1	41.27	260	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	5	2	0.75	10
Barrie.....	S4	D1	61.90	514	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	5	2	0.75	10
Baysville.....	M10	D1	32.35	172	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2	0.75	10
Beaumaris.....	M7	D1	36.84	305	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	5	2	0.75	10
Beaverton.....	W2	D1	31.23	372	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	5	2	0.75	10
Beeton.....	S33	D1	1.80	1	1.22	1.89	1.39	1.89	2.22	2.39	3.33	4.11	4.72	6.17	7.44	5	2	0.75	10
Bradford.....	S37	D1	27.07	85	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2	0.75	10
Bruce.....	E19	D1	62.47	296	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	5	2	0.75	10
Buckskin.....	S24	D1	1.20	15	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2	0.75	10
Cannington.....	W3	D1	10.09	53	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2	0.75	10
Chatsworth.....	E3	D1		22	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2	0.75	10
Cookstown.....	S35	D1	0.50	2	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2	0.75	10
Creemore.....	S10	D2	30.12	121	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	5	2	0.75	10
Elmvale.....	S7	D1	26.25	157	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	5.5	2	0.75	10
Flesherton.....	E1	D1	2.60	24	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2	0.75	10
Gravenhurst.....	M4	D1	3.04	23	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	5	2	0.75	10
Hawkestone.....	S9	D1	29.80	202	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	3	1.5	0.75	10
Holstein.....	E7	D1	0.50	8	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2	0.75	10
Huntsville.....	M2	D1	33.49	135	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	5	2	0.75	10
Innisfil.....	S31	D1	36.46	656	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2	0.75	10
Lucknow.....	E24	D1	0.11	2	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2	0.75	10
Mariposa.....	W9	D1	49.85	325	1.20	1.90	1.40	1.90	2.00	2.16	3.00	3.70	4.26	5.56	6.70	6	2	0.75	10
Markdale.....	E1	D2	20.70	85	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2	0.75	10
Meaford.....	E14	D1	1.00	5	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2	0.75	10
Medonte.....	S18	D1	9.44	57	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	5	2	0.75	10
Midland.....	S1	D1	33.60	163	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	5	2	0.75	10
Minden.....	G37	D1			1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	5	2	0.75	10
Neustadt.....	E8	D1	0.50	4	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	5	2	0.75	10

† Cedarhurst and Maple Beach Extensions.

RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES

GEORGIAN BAY SYSTEM—Continued

Rural power district	Class	Rural rates													Gross consumption charges		Prompt payment discount	
		Miles of line	No. of consumers	Gross monthly service charge														
				Property number	1B	1C	2A	2B	3*	4	5	6A	6B	7A	7B	First energy rate†		Second energy rate†	Rate for all additional
			\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	cents	cents	%	
Nottawasaga		S5 D1	8.22	100	1.25	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	5	2	0.75
Orangeville		E12 D1	23.28	82	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2	0.75
Owen Sound		E2 D1	13.82	74	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	5	2	0.75
Port Perry		W12 D1	51.66	402	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2	0.75
Ripley		E24 D2	4.32	13	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2	0.75
Sauble		E46 D1	11.45	66	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2	0.75
Shelburne		E10 D1	18.44	51	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2	0.75
Sparrow Lake		W1 D1	35.04	280	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	4	2	0.75
Tara		E15 D1	25.75	112	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2	0.75
Thornton		S36 D1	8.00	32	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2	0.75
Utterson		M8 D1	21.75	133	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2	0.75
Uxbridge		W11 D1	62.15	209	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2	0.75
Wasaga Beach		S10 D1	18.56	709	1.00	1.75										4.5	1.5	0.75
Wroxeter		E22 D1	36.45	290	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2	0.75
Total, Georgian Bay system, 950.11; 6,778.					*See footnote on page 86. †See heading to first page of table.													
EASTERN ONTARIO SYSTEM																		
Alexandria		L15 D1	20.40	107	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2	0.75
Arnprior		QM10 D1	5.72	59	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2	0.75
Belleville		C38 D1	86.55	712	1.13	1.80	1.32	1.80	1.89	2.03	2.83	3.50	4.01	5.24	6.33	3.5	1.5	0.75
Bowmanville		C23 D1	34.47	150	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	5	2	0.75
Brighton		C6 D1	12.10	72	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2	0.75
Brockville		L3 D1	99.36	685	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2	0.75
Campbellford		C11 D1	22.69	83	1.20	2.11	1.50	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2	0.75
Carleton Place		H5 D1	0.50	1	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2	0.75
Chesterville		L5 D1	56.68	388	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2	0.75
Cobourg		C13 D1	107.02	511	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	5	2	0.75
Colborne		C7 D1	38.28	218	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	5	2	0.75
Fenelon Falls		C30 D1	33.10	186	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2	0.75

Iroquois.....	L9	D1	91.16	461	1.11	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	Special	
Kemptville *.....	H9	D1	5.43	47	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2
Kingston.....	C44	D1	138.54	810	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	5	2
Lakefield.....	C18	D1	28.94	110	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2
Lindsay.....	C29	D1	21.83	156	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2
Martintown.....	L13	D1	24.29	147	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2
Maxville.....	L14	D2	62.64	411	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2
Millbrook.....	C25	D1	21.93	134	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2
Napanee.....	C43	D1	112.10	553	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	5	2
Nepean.....	T1	D1	186.12	1,198	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	3	1.5
Newcastle.....	C22	D1	30.45	132	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2
Norwood.....	C31	D1	8.03	65	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2
Omenee.....	C26	D1	5.22	8	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2
Oshawa.....	C24	D1	131.57	1,687	1.00	1.69	1.24	1.69	1.78	1.91	2.67	3.29	3.78	4.93	5.96	3	1.75
Perth.....	H2	D1	17.11	83	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2
Peterboro.....	C20	D1	68.25	1,159	0.63	1.16	0.79	1.21	1.59	1.66	2.01	2.57	2.91	3.81	4.62	4	2
Prescott.....	L2	D1	37.07	202	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2
Renfrew.....	QM16	D1	21.41	139	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2
Smiths Falls.....	H3	D1	70.14	407	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2
Stirling.....	C35	D1	27.81	115	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	5	2
Trenton.....	C3	D1	49.04	226	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	5	2
Warkworth.....	C49	D1	0.77	8	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2
Wellington.....	C45	D1	113.19	453	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2
Williamsburg.....	L7	D1	17.95	112	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2

Total, Eastern Ontario system, 1,807.86; 11,995. §Brinston Corners section.

THUNDER BAY SYSTEM

Fort William.....	P10	D1	51.53	182	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	4	2
Port Arthur.....	P2	D1	29.82	133	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	4	2
Total, Thunder Bay system, 81.35; 315.																	

MANITOULIN RURAL POWER DISTRICT

Manitoulin.....	FM1	D1	37.25	176	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2
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NORTHERN ONTARIO PROPERTIES

Nipissing District																	
North Bay.....	Z4	D1	14.87	411	0.87	1.38	1.01	1.38	1.44	1.56	2.17	2.68	3.07	4.01	4.84	6	2
Powassan.....	Z8	D1	3.25	15	1.33	2.11	1.56	2.11	2.22	2.39	3.33	4.11	4.72	6.17	7.44	6	2
Total, Nipissing District.....			18.12	426													

Total, all systems: Miles of line, 9,976.55† Number of consumers, 67,802. *See footnote on page 86. †See heading to first page of table.
†This total includes 98.71 miles of primary line under construction on October 31, 1935, to serve 443 new consumers.

CLASSIFICATION OF SERVICES FOR RURAL POWER DISTRICTS

When contracts between the consumer and the township have been executed, users of power in townships are supplied with electric service under general classes, according to the requirements and conditions of the individual consumer, as follows:

Class	Service	Class demand kilowatts	Phase	Volts	Fuse rating amperes (maximum)
1B	Hamlet Lighting.....	1.32	1	110	20
1C	“ “ “.....	2	1	220/110	35
2A	House Lighting.....	1.32	1	110	20
2B	Small Farm Service.....	2	1	220/110	35
3	Light Farm Service.....	3	1	220/110	35
4	Medium Farm Service.....	5	1	220/110	50
5	“ “ “.....	5	3	220/110	35
6A	Heavy Farm Service.....	9	1	220/110	100
6B	“ “ “.....	9	1 and 3	220/110	60
7A	Special Farm Service.....	15	1	220/110	According to load
7B	“ “ “.....	15	1 and 3	220/110	According to load

Class 1: Hamlet Service—Includes service to consumers (other than farm and power users) in hamlets, where four or more consumers are served from one transformer. Service is given under two sub-classes as follows:

Class 1-B: Service to residences or stores, including use of portable appliances, and permanently installed appliances not exceeding 1,320 watts.

Class 1-C: Service to residences or stores with electric range or ordinary permanently installed appliances greater than 1,320 watts. Where a combination of residence and store can be supplied from one service, the combination is billed as a single Class 1-C consumer. Special or unusual loads will be treated specially.

Class 2-A: House Lighting—Includes service to all consumers other than farm and power users that cannot be grouped as in Class 1.

Class 2B: Farm Service, Small—Includes service for lighting of farm buildings, power for miscellaneous small equipment and power for single-phase motors not exceeding 2 horsepower and electric range if motors and range are not used simultaneously, on a farm of fifty acres or less.

Class 3: Farm Service, Light—Includes service for lighting of farm buildings, power for miscellaneous small equipment and power for single-phase motors not exceeding 3 horsepower and electric range if motors and range are not used simultaneously.

Class 4: Farm Service, Medium Single-Phase—Includes service for lighting of farm buildings, power for miscellaneous small equipment and power for single-phase motors up to 5-horsepower demand and electric range if motors and range are not used simultaneously.

Class 5: Farm Service, Medium 3-Phase—Includes service for lighting of farm buildings, power for miscellaneous small equipment and power for 3-phase motors up to 5-horsepower demand and electric range if motors and range are not used simultaneously.

Class 6: Farm Service, Heavy—Includes service for lighting of farm buildings, power for miscellaneous small equipment and power for motors up to 5-horsepower demand and an electric range, or 10-horsepower demand without an electric range. Single- or three-phase service will be given at the discretion of The Hydro-Electric Power Commission of Ontario.

Class 7: Farm Service Special—Includes service for lighting of farm buildings, power for miscellaneous small equipment, power for 3-phase motors from 10- to 20-horsepower demand and electric range. Single or three-phase service will be given at the discretion of The Hydro-Electric Power Commission of Ontario.

Note: Class 2E is the service usually supplied to farms of fifty acres or less and Class 3 is the service usually supplied to larger farms. More than 90 per cent of new contracts for farm service are in one or other of these classes.

SECTION IV

HYDRAULIC ENGINEERING AND CONSTRUCTION

The foundation for the 45,000 kv-a frequency-changer set at Chats Falls was designed and constructed by the Hydraulic and Construction departments respectively.

Due to the increase in the demand for power in the Lake St. Joseph district, plans were prepared for an additional development at Rat Rapids.

At the Abitibi Canyon development three additional units are being erected. These will bring the installed capacity to 330,000 horsepower and complete development.

The Commission has co-operated with the Ontario government by providing through its Hydraulic department, engineering assistance in connection with the Root River transportation scheme, and the problem of water supply to the Burwash prison farm.

Other activities of this department included investigation of possible sources of power supply to the Commission's systems; the collection of hydro-metric data; dealing with questions of land damage and other land matters; providing engineering advice to the municipality of Thornbury, and routine matters submitted to the department.

NIAGARA SYSTEM

Niagara River Developments

At the intake of the Ontario Power plant construction of revisions designed to reduce ice trouble was commenced.

No other major construction was undertaken at any of the plants on the Niagara river.

Chats Falls Development

The substructure for the 45,000-kv-a frequency-changer set, which included the machine foundation and the supporting walls up to the generator floor, was designed by this department. The Commission's staff was employed in its construction during the summer and fall, and completed the work well in advance of schedule.

The foundation block is 40 feet square and 5 feet thick, well anchored and keyed to the rock. Upon this was erected a heavily reinforced concrete pedestal



ABITIBI CANYON DEVELOPMENT—NORTHERN ONTARIO PROPERTIES

General view from east side showing sluice-ways and over-flow channel and top of power house in canyon beyond

24 feet 6 inches in diameter and 21 feet 3 inches high. The top of the pedestal is supported laterally by a heavy concrete floor extending to the headworks and power-house substructure.

The substructure for the frequency-changer set is an extension on the Ontario side of the substructure of the generating station.

EASTERN ONTARIO SYSTEM

At the High Falls plant on the Mississippi river, early in the summer, approximately 25 feet of the lower end of the wood-stave pipe line was replaced, and a steel thimble installed at the junction of the pipe and distributor.

For the Calabogie plant the department redesigned and supervised the reconstruction of the head-gate gantry crane.

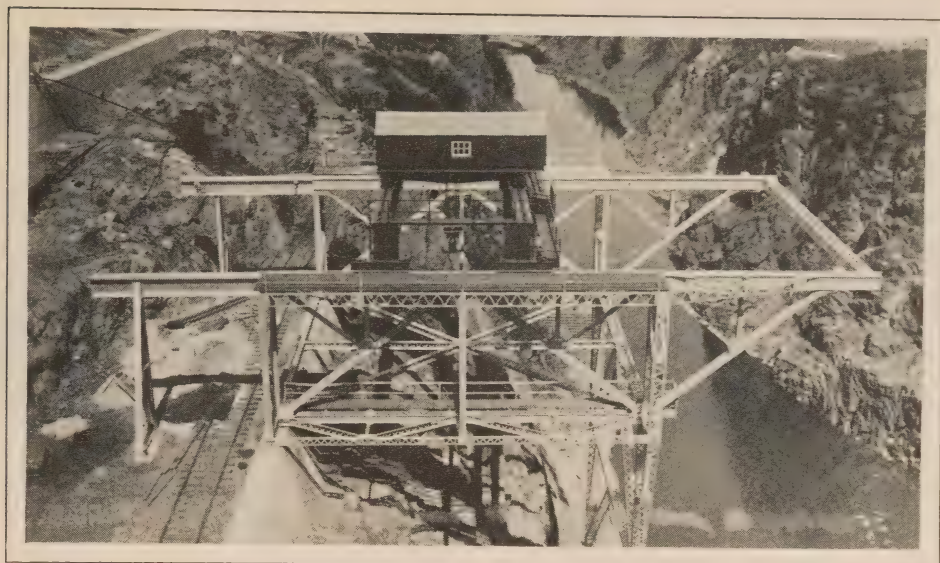
NORTHERN ONTARIO PROPERTIES

Sudbury District

Designs and estimates were prepared and detail drawings were begun for the replacement of the main dam and sluices at the McVittie plant. The general layout contemplates using the present dam as a cofferdam during the construction of the new dam, which will be immediately downstream from it.

Abitibi District

The completion of the installation at the Abitibi Canyon development of the three remaining units, the construction of certain improvements and the finishing of the inside of the power house were authorized in the spring of 1935.



ABITIBI CANYON DEVELOPMENT—NORTHERN ONTARIO PROPERTIES
Unloading crane, on west bank of canyon down-stream side of power house

The erection of the units and their appurtenant equipment has proceeded satisfactorily, and, while none had been placed in operation by the end of the fiscal year, it is expected that all will be completed by the end of the calendar year or early in 1936.

The improvements authorized include the erection of a deflecting crib in the high water channel, placing of concrete to prevent scour, and the finishing of the interior of the power house; these were not commenced before the end of the fiscal year.

The general scheme of development was described in the Annual Report for 1933, but a brief review of the situation as it has developed since is of interest.

Previous to the closing down of the work in July, 1932, contracts were made for the purchase of all five units and a considerable portion of the equipment had been delivered to the site. The Commission decided to complete the installation of two units immediately and these were placed in service by August, 1933; the delivery and installation of the balance of the units being left in abeyance.

Substantial expenditures by the previous owners had already been made on account of equipment fabricated and delivered but not in use. After protracted negotiations, the Commission, in the spring of 1935, reached a settlement with the companies supplying the equipment, and delivery of the balance was accepted.

Due to actual and prospective growth in the load, it was considered that completion of the installation of the three additional units was economically justified.



IMPROVED TRANSPORTATION
General view of marine railway

St. Joseph District

The Rat Rapids development at the outlet of lake St. Joseph was completed, and first delivered commercial power in March, 1935. Since then the plant has operated successfully and, with the exception of a few minor interruptions, continuously under full load conditions. The general scheme of the development was described in the last Annual Report.

A cut-off dam was completed at the west end of lake St. Joseph during May and June to prevent any chance of leakage from the watershed at this point, and additions were made to the cut-off dams at the Cedars channel.

Owing to the insistent demand for more power in the district, the Commission has been negotiating new contracts with potential users, and has prepared plans for an additional development of 1,600 horsepower at Rat Rapids. A small construction force was placed in the field the latter part of September with a view to the possible completion of the development by the fall of 1936.

General

The Commission co-operated with the Department of Northern Development by supplying engineering advice in connection with the completion of the Root river transportation route and by supervising construction. These navigation improvements were of great value during the past season to the mining and other interests in the district. The value to the surrounding territory of a transportation scheme such as this is substantial; not only is the cost of moving freight greatly reduced, but it can be done during seasons when previously it was not physically possible to transport freight in quantities.

Engineering assistance was also supplied to the Ontario government in connection with the problem of water supply to the Burwash prison farm.

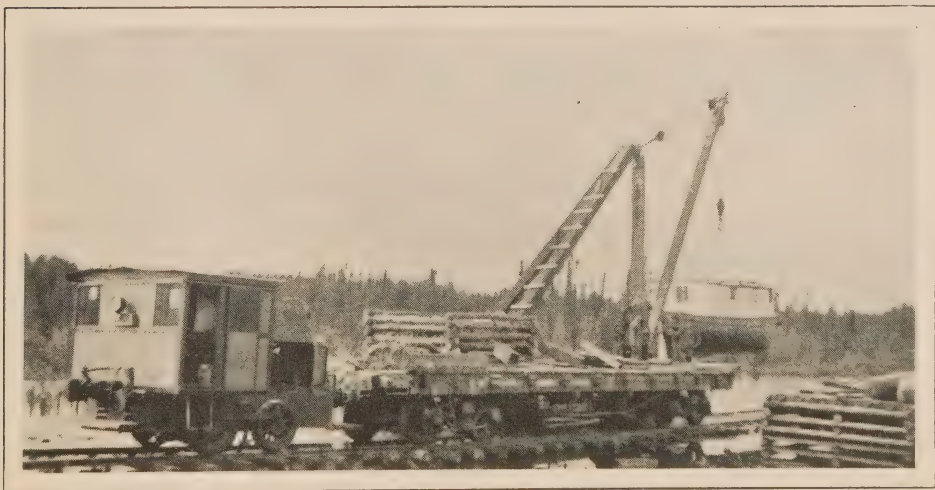


FOR NORTHERN ONTARIO
at Flower Falls, Root River

Advice was tendered the municipality of Thornbury, at its request, with a view to increasing the capacity of the present hydraulic power plant.

An extensive investigation of the possible sources of power supply to the Niagara system was undertaken and completed during the year, and a similar investigation was made with regard to the eastern part of the province.

Routine matters dealt with included: field inspections of various properties, the collection of hydrometric data, inspection of Niagara river diversion records, settlement of damage claims and other land matters, and the supplying of data to outside interested parties.



ROOT RIVER TRANSPORTATION
Terminal at Lake St. Joseph

SECTION V

ELECTRICAL ENGINEERING AND CONSTRUCTION (STATION SECTION)

Engineering and Construction work has been most active in connection with the Northern Ontario properties. During 1935 authorization was given to complete the Abitibi Canyon development by the installation of three additional 48,500-kv-a generators and associated equipment.

A 1,000-kv-a transformer station was established at Ramore and a temporary station of the same capacity at Timmins. Later in the year permanent 4,500-kv-a stations were under construction at Timmins, Falconbridge and Larder Lake to supply power to various mining companies in Northern Ontario. The generating station at Rat Rapids on the Albany river was placed in service early in the year and is now loaded to capacity. The increasing power demands from the mining companies in the St. Joseph, Patricia and Thunder Bay districts have necessitated consideration being given to increasing the capacities of the generating and transformer stations affected.

At Chats Falls generating station a 45,000-kv-a frequency-changer set was installed to provide 60-cycle power for the Eastern Ontario system.

About 80 miles of transmission lines were built in Northern Ontario and many miles of lines throughout the Niagara and Eastern Ontario systems were rehabilitated. More than 430 miles of rural primary lines were constructed.

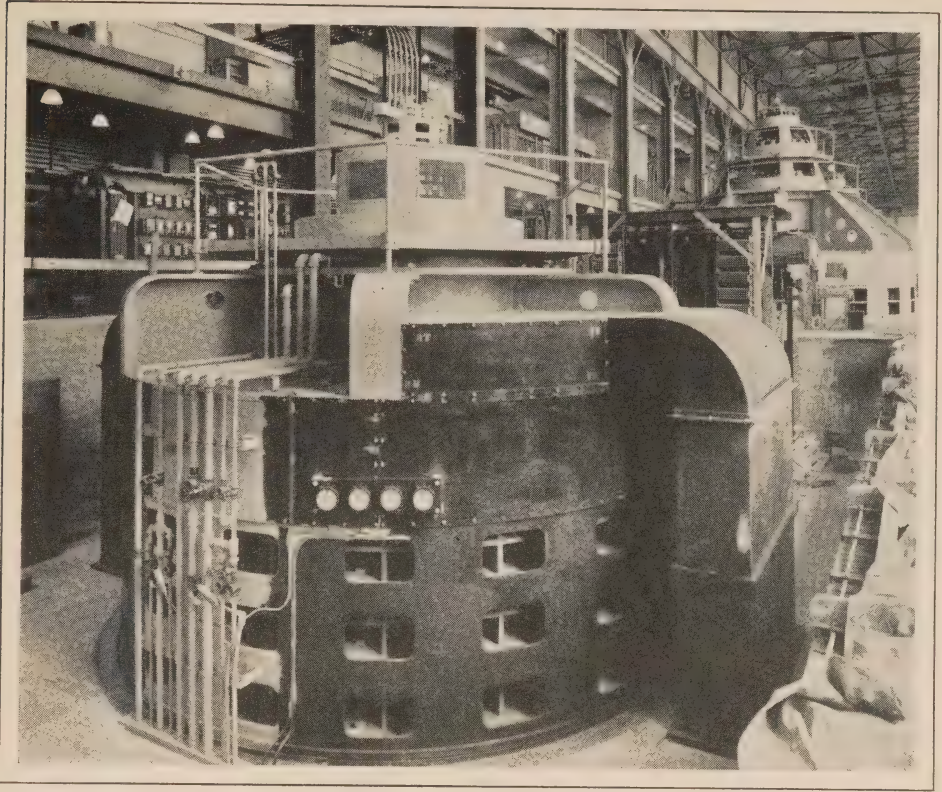
The six-storey extension to the Administration Building at 620 University Avenue, Toronto, was completed for occupation by the Commission's staff on July 2, 1935.

NIAGARA SYSTEM

Generating and Step-up Transformer Stations Stations on Niagara River

At Queenston transformer station and Niagara transformer station revisions were made to the protective relaying system to co-ordinate with the rearrangement of 110,000-volt transmission lines to Hamilton and Toronto areas. Two banks of three 16,000-kv-a transformers, originally built for Abitibi Canyon development, were delivered to Toronto Power transformer station in preparation for step-up transformation to 110,000 volts at this station.

At Ontario Power transformer station short lengths of 12,000-volt cable were removed and a new terminal structure for lines No. 22 and No. 23 was rebuilt.



CHATS FALLS DEVELOPMENT—OTTAWA RIVER

Frequency-changer set showing 45,000-kv-a., 60-cycle generator under construction

At Toronto Power transformer station the original storage-battery was replaced with a new, 60-cell storage-battery.

Chats Falls Development

At Chats Falls generating station a 45,000-kv-a frequency-changer set was installed in the Ontario end of the building. This equipment can be used to convert the output of two of the 23,500-kv-a generators to 60 cycles and step up the voltage for transmission at 121,000 volts, to Ottawa and other centres on the Eastern Ontario system.

The frequency-changer is a 45,000-kv-a, 300-r.p.m., synchronous-synchronous machine with both the 60-cycle and 25-cycle units on a common, vertical shaft 32 feet in length. The total weight of the machine is 1,040,000 pounds with WR^2 value of 10,960,000 pounds-feet². The stator is more than 19 feet in diameter.

Both units operate at 13,200 volts and are excited from two 200-kw., direct-current generators on either end of a common, horizontal shaft driven by a 600-horsepower, induction motor.

The step-up transformer is a 13,200/121,000-volt, three-phase, water-cooled, 60-cycle unit with graded insulation on the high-voltage windings for operation with the neutral solidly grounded.

The 13,200-volt, interconnecting bus is metal-clad, in keeping with the original structure in the station, and is arranged with interlocking, motor-operated disconnecting-switches.

The construction work at the site was started on May 15, 1935 and the station was placed in service on October 13.

A contract was awarded for the construction of eight additional permanent houses for the accommodation of the operating staff, who at present are occupying certain temporary houses which were built during the construction period at the station. These new houses will be completed in December.

Transformer and Distributing Stations

Niagara District—At DeCew Falls generating station a 1,500-kv-a, 44,000/2,400-volt, three-phase transformer was installed to ground the high-voltage neutral of the Dominion Power division of the Niagara system. Improved relaying equipment was installed at this station and at Bartonville switching station to give high-speed, selective control of the 44,000-volt feeders. Metering stations at Humberstone, Thorold and Port Weller were dismantled.

Hamilton and Dundas District—At Hamilton-Beach transformer station the 110,000-volt, oil circuit-breakers were reinforced and improvements were made to the service equipment.

At Dundas transformer station additional relaying equipment was installed and the service bank of three 10-kv-a transformers was replaced by three 25-kv-a units.

At Burlington Steel Company plant in Hamilton a 13,200-volt underground feeder was installed and connected to one of the Hamilton Hydro-Electric System feeders. The necessary metering equipment was also installed with connections over leased telephone cable, to the Hamilton-Beach and Hamilton-Stirton transformer stations for totalizing the Hamilton load.

Near Port Nelson a 750-kv-a distributing station was erected to supply power to the district at 4,000 volts. The metering equipment is located in a small, galvanized-iron building, while the three 250-kv-a transformers are mounted outdoors on a concrete pad. The station was placed in service on April 3, 1935.

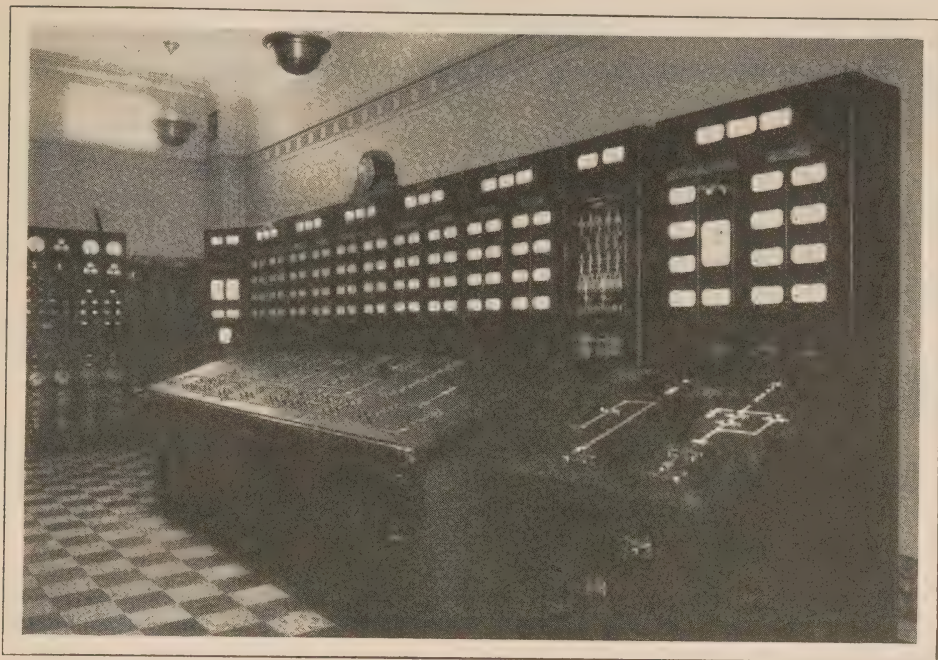
At Oakville and Burlington distributing stations the 44,000-volt disconnecting-switches were replaced by disconnecting-fuses.

At Decewsville distributing station three, 10-kv-a, automatic, voltage-regulators were installed in the 4,000-volt, Cayuga feeder.

At Dundas rural station the graphic wattmeter was replaced by a new instrument.

At Gypsum Lime and Alabastine Company metering station in the Lythmore plant the metering equipment was removed as the power contract had expired.

Toronto and York District—At Toronto-Strachan and Toronto-Wiltshire transformer stations revisions were made in the relaying system to adapt it to the re-arrangement of the 110,000-volt lines between Toronto and Niagara. At the latter station a bank of three new 110,000-volt potential-



CHATS FALLS DEVELOPMENT—OTTAWA RIVER

Control board showing in the foreground the section controlling the frequency-changer

transformers was installed. This new bank replaces a single unit which was transferred to Dundas transformer station.

At Toronto-Strachan transformer station potential-indicators were installed on the 110,000-volt lines and busses which may also be used for synchronizing.

At Islington distributing station a second bank of three, new, 500-kv-a transformers was added and placed in service in April, 1935.

At Streetsville distributing station changes were made in the 4,000-volt feeders.

At Stouffville and Mount Joy distributing stations changes were made in the metering equipment; and at the former station and at Pottageville distributing station the original fuses were replaced by an improved type.

An experimental gas-generating station is being installed at Leaside, using electrolytic cells for the production of hydrogen and oxygen. Two 1,500-horsepower induction motors, each on a common shaft with two 500-kw, direct-current generators were obtained from Toronto Hydro-Electric System and a 1,500-kv-a transformer was obtained from system reserve. The motor-generator sets with the necessary switching equipment and electrolytic cells are situated in one building while the gas generating plant is housed in a separate building; both being erected specially for the purpose. The plant should be ready for operation early in December.

London District—At Dashwood distributing station the bank of three, 75-kv-a transformers was replaced by three new, 150-kv-a transformers which were placed in service on July 13, 1935. The original bank was transferred to system reserve.

At Strathroy distributing station the bank of three, 75-kv-a transformers was replaced by three, 37½-kv-a units obtained from Malahide distributing station. The 75-kv-a units were used in a new rural station at Aylmer.

Thorndale metering station was rebuilt and the obsolete equipment replaced. Dorchester metering station was moved to a new location.

Preston District—At Fergus distributing station the necessary switching equipment was purchased and installed to provide a new feeder to carry the increasing load.

Stratford District—At Goderich Elevator and Transit Company station a 250-horsepower induction motor was installed to carry a portion of the company's load. It was arranged so that at certain periods it may be operated as an asynchronous generator.

St. Thomas District—At St. Thomas transformer station improvements were made to the operating mechanism on one 110,000-volt, circuit-breaker controlling the line to St. Clair transformer station and automatic reclosing equipment added to it.

The capacity of St. Thomas rural station was increased when a 750-kv-a, three-phase transformer obtained from system reserve, was installed, replacing the original 300-kv-a unit. The original transformer was transferred to system reserve.

Aylmer rural station was erected on the site of Aylmer distributing station to supply the load originally carried by Malahide distributing station which has been dismantled. A bank of three, 75-kv-a transformers was transferred from Strathroy distributing station for this installation. The three 37½-kv-a transformers released from the dismantled station at Malahide were used to replace those removed from Strathroy.

At Port Stanley distributing station air-fans and deflectors were installed to assist in cooling the transformers during the summer season when the load is heavy.

Brant District—The capacity of St. Williams distributing station was increased with the installation of a bank of three, 150-kv-a transformers, replacing the original bank of three, 75-kv-a units. The new bank was placed in service on July 29, 1935.

At the request of Simcoe Public Utilities Commission a number of changes were made in the Simcoe municipal station. A new outdoor steel structure was erected and concrete foundations installed for two banks of transformers. The present bank of three, 500-kv-a transformers was moved to the new foundations and a spare transformer and oil circuit-breaker purchased and installed. The work should be completed in December.

GEORGIAN BAY SYSTEM

Severn District—A new single-phase station known as Penetang rural station was installed to supply power to Midland rural power district at 4,600-volts. A 75-kv-a, 2,300/4,600-volt transformer was purchased and the station placed in service on July 16, 1935.

At C.P.R. Port McNicoll distributing station the original 18-volt battery was replaced by a new 24-volt battery and trickle-charger. Changes were also made in some of the switching equipment.

Eugenia District—At Eugenia generating station improvements were made to one of the operators' cottages.

At Kilsyth and Elmwood distributing stations, an improved type of fuse was installed in the 4,000-volt feeders and at the latter station the original lightning-arresters were replaced by modern equipment.

Muskoka District—At South Falls generating station the lightning-arresters were replaced by new and more suitable equipment.

At Huntsville distributing station changes were made in the metering equipment so that the town load may be metered separately from the Anglo-Canadian Leather Company load.

Wasdells District—A new distributing station was built at Port Perry to supply the rural power district at 8,000 volts. A bank of three 100-kv-a, 44,000/2,400-4,800-volt transformers and switching equipment were purchased and installed and the station was placed in service on May 14, 1935. The original distributing station in Port Perry now supplies power for the town load only.

EASTERN ONTARIO SYSTEM

110,000-volt Transformer Stations

At Cornwall transformer station two 110,000-volt disconnecting-switches and additional relaying equipment were installed.

At Ottawa transformer station an additional high-voltage, oil circuit-breaker was installed to permit connections for the supply of 110,000-volt power from Chats Falls frequency-changer station. The high-voltage neutral was grounded at this station and high-speed directional relays were installed on all the lines. Plans were completed for the installation of a second transformer bank in the station.

At Smiths Falls transformer station a bank of three, 1,500-kv-a transformers and necessary switching, metering and relaying equipment were installed to permit connections between the 2,300-volt bus and a 33,000-volt line from the Madawaska district to effect a tie between the Rideau and Madawaska districts. The switchboard was altered to provide proper facilities for metering the power exchange and for synchronizing. The transformers were transferred from Abitibi Canyon development where they were originally used during construction of the generating station.

Central Ontario District—At Frankford generating station the relays on the service feeder were replaced and a new 24-volt storage-battery and trickle-charger were installed.

At Hague's Reach (Dam No. 9) generating station the 44,000-volt, oil circuit-breakers in one of the lines, and in the service feeder at both Hague's Reach and Meyersburg (Dam No. 8) generating station were removed for use at Belleville switching station.

At Sidney transformer station one of the 6,600-volt feeders to Frankford generating station was re-equipped and used to supply power to the new airport at Trenton.

At Oshawa distributing station a 500 m.c.m. cable and disconnecting-switches were installed to permit the emergency bus being connected to any of the 4,000-volt feeders at the outdoor pole structure.

Metering equipment was installed immediately outside Lindsay distributing station on the 6,600-volt feeder supplying Lindsay rural power district.

At Napanee distributing station the necessary equipment was installed for a second 4,000-volt feeder to supply power to the town.

On the town limits of Picton a single-phase rural station was installed to step-up the voltage to supply 4,600-volt power to the Northport line of the Wellington rural power district. A 37½-kv-a transformer was obtained from Georgian Bay system reserve and the station placed in service on July 30, 1935.

At Belleville switching station three obsolete 44,000-volt oil circuit-breakers were replaced by three modern units released from Dam No. 8 and Dam No. 9 generating stations. The current-transformers in one line were replaced by larger capacity units.

Metering equipment was installed in the Consolidated Mining and Smelting Company station near Cordova.

Rideau District—The original Perth rural station was dismantled and a new station erected to supply power to Perth rural power district. The installation consists of a single-phase 100-kv-a transformer, fuses and metering equipment and was placed in service on July 28, 1935. The 75-kv-a transformer in the original station was transferred to reserve equipment.

At Carleton Place distributing station a 750-kv-a, 3-phase, 33,000/2,300-volt transformer and necessary switching equipment were installed to permit this station being supplied from the new 33,000-volt tie-line between the Madawaska and Rideau districts. This station was previously operated at 26,400-volts. The transformer was obtained from system reserve and placed in service on August 31, 1935.

Madawaska District—At Cobden a distributing station was installed to supply 3-phase power to the village at 2,300-volts. Three, 75-kv-a, 6,600/2,300-volt transformers were obtained from system reserve, and the station was placed in service on November 26, 1934.

THUNDER BAY SYSTEM

Transformer Stations

At Port Arthur transformer station an automatic voltage-regulator was installed to control the voltage of the battery-charging generator.

At Cameron Falls transformer station, due to the increasing power demand a special fan and ventilating equipment was installed to assist in cooling the 1,200-kv-a bank of transformers and to increase its capacity. The fan was originally part of the overload cooling-system installed on the 15,000-kv-a transformers at Alexander generating station.

At Northern Empire Mines station a third 300-kv-a transformer similar to the two existing units was installed.

NORTHERN ONTARIO PROPERTIES

Sudbury District

Two metering equipments were installed at Capreol to measure the power supplied to the town and to the Canadian National Railways. The equipments are located respectively in the Capreol municipal station and the company's transformer station.

Espanola District

In the Espanola generating station of the Abitibi Power and Paper Company, equipment was installed to meter the 60-cycle power purchased from this company. At McMillan Gold Mines Limited, station equipment was installed to measure the power supplied to this mining company.

Abitibi District

At Abitibi generating station the installation of the three additional 48,500-kv-a generating units and other electrical apparatus is proceeding and nearing completion with the exception of two banks of transformers which have been transferred to the Niagara system.

Contracts were placed for the construction of permanent buildings to accommodate the operating staff. The requirements are ten houses, a 15-room residence for the unmarried staff, a school, a hospital building and a store. The necessary extensions of the water and sanitary systems and improvements to the site are being made. This accommodation will be completed in December.

At Kirkland Lake transformer station the necessary equipment was installed for a second 13,200-volt feeder to Canada Northern Power Corporation, an oil circuit-breaker is being placed on the low-voltage side of the transformer bank and a spare 9,500-kv-a transformer was installed.

At Ramore a transformer station to supply power at 26,400-volts to Hislop mine of the Hollinger Consolidated Gold Mines Limited, was installed. A 1,000-kv-a, 3-phase transformer was connected to the 110,000-volt lines through a fuse disconnecting-switch. The station was placed in service on March 19, 1935. Equipment was later installed for a second feeder to supply power to Vimy Gold Mines Limited.

At Timmins a 1,000-kv-a temporary transformer station was installed and placed in service on April 21, 1935, to supply power at 26,400 volts to Central Porcupine Gold Mines Limited in Tisdale Township. The transformer is a 1,000-kv-a, 3-phase unit and is connected to the 110,000-volt lines through a fuse disconnecting-switch. Later in the year authorization was given for the erection of a permanent transformer station at Timmins to supply power also to Pamour Porcupine Mines Limited and Paymaster Consolidated Mines Limited.

The station will consist of a bank of three 1,500-kv-a transformers connected through two disconnecting-switches to the double-circuit, 110,000-volt line. There will be two 26,400-volt feeders equipped with oil circuit-breakers. The station will be in service on December 1, and the temporary station dismantled.

Authorization was given for the erection of transformer stations at Falconbridge to supply power to Falconbridge Nickel Mines Limited, and at Larder Lake for the supply of power to Omega Gold Mines Limited. The equipment is similar to that being installed at Timmins permanent transformer station, described in the preceding paragraph, except that there will be only one 26,400-volt feeder. The Falconbridge station will be in service in November and the Larder Lake station in December.

At the Paymaster Consolidated Mines Limited the Commission is constructing three sub-stations for the mining company. Each station will consist of a bank of three 250-kv-a transformers with the necessary 26,400-volt disconnecting-switches and equipment for 575-volt feeders. Metering equipment is being installed at one of the sub-stations to measure the total 26,400-volt power supplied to this customer.

At Pamour Porcupine Mines Limited, 26,400-volt metering equipment is being installed.

At Central Porcupine Mines Limited, metering equipment was installed on the 575-volt side to measure the power supplied from the Timmins transformer station.

At Vimy Gold Mines Limited metering equipment was installed to measure the power supplied to the mining company from Ramore transformer station.

Ramore distributing station is being established at Vimy Gold Mines Limited to supply power to Ramore and Matheson. Four 25-kv-a, 575/4, 600-2,300-volt transformers were purchased for the installation. Three of the transformers will be used to supply three-phase power to Matheson at 8,000-volts, while the other will be used to supply single-phase power to Ramore.

At Hollinger Consolidated Gold Mines Limited at Hislop township the necessary equipment was installed on the 575-volt side of the customer's transformer to meter the power supplied to this company.

Matachewan distributing station was erected on the Young-Davidson property of Hollinger Consolidated Gold Mines Limited to supply 2,300-volt, three-phase power to Matachewan. Three 25-kv-a, 575/2,300-volt transformers were obtained from reserve equipment for this installation and connected to the mining company's 575-volt bus. The station was placed in service on April 11, 1935.

Patricia District

Estimates were prepared for the installation of a second generating unit at Ear Falls development. Fans were installed on the 750-kv-a transformers to increase their capacity.

At Howey Gold Mines Limited separate metering equipment was installed to meter the power supplied to this company and to Red Lake Gold Shore Mine Limited.



RAT RAPIDS DEVELOPMENT—ALBANY RIVER
Generating station showing log-house type of super-structure



RAT RAPIDS DEVELOPMENT—ALBANY RIVER
Operator's Cottage

At McKenzie Red Lake Gold Mines Limited equipment was installed to meter the power supplied to this customer.

St. Joseph District

The installation at Rat Rapids development on the Albany river, referred to in last year's Report, was completed and placed in service on March 21, 1935.

At Pickle Crow Gold Mines Limited and Central Patricia Gold Mines Limited stations, equipment was installed to meter the power supplied to the

companies and the necessary telephone equipment was installed for the operation of the system.

ADMINISTRATION BUILDING

The new, six-storey extension to the Administration building, referred to in last year's Report, was occupied on July 2, 1935, and the head-office staff, which has been housed for many years in widely separated buildings, is now consolidated under one roof, at 620 University avenue in Toronto.

The new addition extends northward from the original building and has a frontage of approximately 130 feet on University avenue and 110 feet on Orde street. It is faced on all elevations with Queenston limestone with a polished black granite base on the two street frontages.

The structural frame and floors are generally of reinforced concrete, but the interior columns are of structural steel. Foundation piers extend to shale, about 61 feet below the sidewalk.

The building interior is plainly finished in painted plaster, except for the office ceilings, which are finished in unpainted acoustic plaster, providing moderate sound absorption. Ontario white pine (*pinus strobus*) in painted finish was used for glazed wood partitions and for those items of interior trim not finished in hollow metal.

An underfloor duct system provides floor outlets for telephone, power, and signal wiring convenient to desks and other points of use.

In the original building, necessary changes in partitions were made to permit of corridor interconnection between it and the new addition; and the steam boilers and electrical services in the original building and the new extension have been interconnected.

SECTION VI

TRANSMISSION, DISTRIBUTION AND RURAL SYSTEMS

TRANSMISSION SYSTEMS

In 1935, transmission lines were extended and revised to a greater extent than in 1934.

To serve new mining loads in Northern Ontario approximately 70 miles of line, exclusive of purchases and revisions of existing lines, were constructed. Important additions and revisions were also made in Eastern Ontario due to power supply changes. Elsewhere the volume of work increased but was confined chiefly to rehabilitations and minor extensions made necessary by contingencies.

The following synopsis shows, by systems, the work completed during the year. At the back of the Report is a map of transmission lines and stations. Summary tabulations respecting transmission lines will be found in Appendix II.

NIAGARA SYSTEM

High-Voltage Lines

On the 110,000-volt line between St. Thomas and St. Clair transformer stations the No. 6 copper connection between the sky wire and the pole was replaced by $\frac{1}{4}$ -inch galvanized steel cable. This was done on all grounded structures to decrease the possibility of outages due to the weaker wire.

On the 46,000-volt line between Niagara transformer station and Southworth junction unused steel cross-arms were removed from 108 steel towers.

26,400-volt Lines

Between Sebringville junction and Goderich municipal station, rehabilitation of 23.76 miles of wood-pole lines was completed by the addition of storm guys and the replacement of defective insulators and cross arms.

Between Mitchell junction and Mitchell municipal station, 1.27 miles, the two circuits of No. 2 aluminum conductor were removed and replaced by a single-circuit of No. 2 a.c.s-r.*

In Palmerston a short section of new line was constructed to allow removal of the Commission's line from the main street of the town.

A portion of the line between Prince Albert junction and Dominion Sugar Co. junction was rebuilt on account of road widening by the township of Chatham.

*a.c.s-r—aluminum cable, steel-reinforced.

Other Lines

The 12,000-volt line between junction pole 119 and the Republic Carbon Co., 0.83 miles, was removed.

In the vicinity of the American Cyanamid Co. near Niagara Falls, the 12,000-volt insulators were replaced by 26,400-volt units in order to eliminate hazards due to dust.

The 13,200-volt line connection to the Ontario Gypsum Co. at Lythmore was removed.

In the London district reinsulation and revisions of 13,200-volt lines were continued. Between London transformer station and Strathroy municipal station, 30.08 miles of line were rebuilt. The ground wire was removed and the circuits were reinsulated for 26,400-volt operation. A short section was re-routed near London and 5.1 miles of new line built in the vicinity of Lambeth. Between Elginfield junction and Ailsa Craig distributing station, 9.92 miles, similar revision work was completed. Poles were reset and guys added where necessary.

Between Woodstock and London transformer stations five Hydro telephone poles carrying power circuits were replaced by longer poles to accommodate Dorchester attachments.

Between St. Thomas transformer station and Sheddon distributing station, 8.55 miles, and between Sheddon and Dutton distributing stations, 9.82 miles, a general overhaul of the 13,200-volt line was made. The 1/0 aluminum conductor on the former section was replaced by 1/0 copper cable and on the latter by No. 2 copper cable. The configuration of the conductors was altered to pole-top pin construction and all defective insulators were replaced.

Part of the old steel-tower line, formerly belonging to the Toronto Power Company, was utilized as a 12,000-volt supply to Port Nelson. A short connection was made from a new junction on the existing Vinemount feeder and at the Port Nelson end.

A short section of 12,000-volt line between Toronto Power and Ontario Power transformer stations, involving twenty poles, was rebuilt on a more direct route due to extensions to Buchanan street at Niagara Falls.

Preparations were made for a general revision of 12,000-volt lines at Lincoln distributing station and vicinity in St. Catharines. One 4/0 a.c.s-r. circuit was removed from the line on Vine street between Lincoln distributing station and the old Welland canal, half a mile. Poles on this line were lowered and one railway crossing was rebuilt. A 2/0 a.c.s-r. circuit was removed from Vine and Carlton streets between Lincoln distributing station and Thomas street. Two circuits of 173,000-circular-mil aluminum conductor were removed from the old line between the C. N. Ry. crossing and Kinleith tap, 1.12 miles.

Between the Provincial Paper (steam) and Thorold distributing stations half a mile of 12,000-volt line was relocated due to a park development at Thorold.

Circuits in the vicinity of Welland transformer station were re-arranged in order to clear extensions to buildings of the Electro-Metallurgical Company.

In the Brant, St. Clair, Woodstock and Cooksville districts, twenty-seven transmission line crossings of railways and communication companies were

reinforced to conform to regulations of the Board of Railway Commissioners of Canada.

Dominion Power Division
44,000-volt Lines

A section of the single-circuit line between Firestone junction and Beach Road junction was diverted to clear a new building being erected at the Windermere cutoff.

Double sets of 44,000-volt, swivel-type, air-break switches were erected at Port Nelson and Oakville junctions so that the single-circuit taps may be connected to either of the Toronto Power circuits.

Other Lines

Between Burlington distributing station and the National Fireproofing Co. junction, seven poles were moved to clear buildings of the Scott Distributing Co. at Aldershot.

Between Victoria station and Longwood switching station, a short section of the 10,000-volt circuit was transferred to new poles erected by the Hamilton Hydro.

GEORGIAN BAY SYSTEM

Severn District

Between Bradford junction and Bradford distributing station, 11.03 miles, the existing single-circuit of 5/16-inch steel conductor was replaced by No. 2 a.c.s.-r. and defective poles, cross-arms and guys were renewed.

Storm guys were added to ten sections, totalling 53.42 miles of line throughout the Severn district.

Eight railway and telephone line crossings were reinforced in compliance with specifications of the Board of Railway Commissioners of Canada.

Eugenia District

Between Walkerton Quarry junction and Walkerton Quarry station, one-quarter mile, the line was removed due to the cessation of the Company's operations at this place.

EASTERN ONTARIO SYSTEM

Interconnecting Lines

Between a newly established junction on the existing 220,000-volt, Cumberland junction to Chats Falls line and Ottawa transformer station, a wood-pole, 110,000-volt line was completed. This line is 3.5 miles long and is "wish-bone" construction. Suspension insulators are used with 336,400-circular-mil a.c.s.-r. conductors and 1/4-inch steel ground cable. In conjunction with that portion of the 220,000-volt line between Chats Falls and the newly established junction point, this line may be used to supply 60-cycle power to the Eastern Ontario districts.

Between Galetta junction, in the Madawaska district, and Smiths Falls distributing station, a total distance of 30.14 miles, a single, 33,000-volt power circuit with a No. 6 a.c.s.-r. telephone circuit was established. It will be used as a 60-cycle tie line between the Madawaska district and other districts in the



TRANSMISSION LINES EASTERN ONTARIO SYSTEM
Angle and standard structures on 110,000-volt, 60-cycle line

Eastern Ontario system. A part of this circuit, 5.64 miles long, was added to the existing line between Carleton Place junction and Smiths Falls distributing station; the remainder, 24.5 miles, was new wood-pole construction. The conductor is 3/0 a.c.s-r throughout.

Central District

Between Millbrook junction and Millbrook distributing station, 1.71 miles, the No. 6 solid steel power conductor was replaced by $\frac{1}{4}$ -inch steel cable.

At Marmora distributing station connections to the 44,000-volt line supplying power to the Consolidated Mining and Smelting Company were completed.

Poles were replaced in the 44,000-volt line between G.B. junction and Belleville switching station to accommodate Belleville rural power district circuits.

Three crossings over a communication company's works were revised and reinforced to meet specifications of the Board of Railway Commissioners of Canada.

Rideau District

Between Merrickville generating station and Grenville Crushed Rock Company, 5.94 miles, armour rods were added to the conductors as a protection from damage due to vibration.

On the Merrickville side of Rideau junction, disconnect switches were installed.



TRANSMISSION LINES NORTHERN ONTARIO PROPERTIES
Wish-bone type of construction on 132,000-volt line between Blezard
Valley junction and Falconbridge transformer station

St. Lawrence District

Between Eugene Phillips junction and Brockville distributing station, 1.9 miles of a single circuit, 44,000-volt, wood-pole line having 3.0 a.c.s.r. conductors and $\frac{1}{4}$ -inch steel ground cable, were completed.

At Winchester junction, installation of one, 3-phase, 44,000-volt, air-break switch was completed.

NORTHERN ONTARIO PROPERTIES

Abitibi District—132,000-volt Lines

Work is progressing on needed improvements to purchased steel-tower lines radiating from Hunta junction.

At Hunta junction, revision to circuit entrances was completed by the addition of three steel towers. Three gang-operated switches were erected at Hunta and two at Iroquois Falls.

Between Blezard Valley junction, north of Coppercliff, and Falconbridge transformer station, 16 miles, a single-circuit 4/0 a.c.s-r. (wish-bone type) wood-pole line is nearing completion. This line will have a single telephone circuit of No. 6 a.c.s-r.

Between Abitibi Canyon generating station and Hunta junction, five overnight shacks for patrolmen's use were built.

The insulation of the line superintendent's house at Timmins was completed.

26,400-volt Lines

Between Ramore transformer station, approximately ten miles south of Matheson, and the Hollinger Consolidated Gold Mine, 3.5 miles of 26,400-volt, wood-pole line were completed. This line has a single-circuit of No. 4 copper cable and one telephone circuit of No. 9 iron.

A similar line was built between Ramore transformer station and the Vimy Gold Mine, 3.9 miles. The telephone circuit in this case is No. 6 a.c.s-r.

Between Timmins transformer station and the Central Porcupine mine, 2.73 miles, a single-circuit, 26,400-volt line with No. 2 copper conductor and a single No. 6 a.c.s-r. telephone circuit, was completed. This line terminates at the east end of Pearl lake where the Central Porcupine mine takes delivery of power.

Between Timmins transformer station and the Pamour Porcupine mine, a distance of twelve miles, a single-circuit 26,400-volt, 1/0 copper conductor line was constructed. The telephone circuit of No. 9 copper on this line extends from Central Porcupine mine line to the Pamour mine.

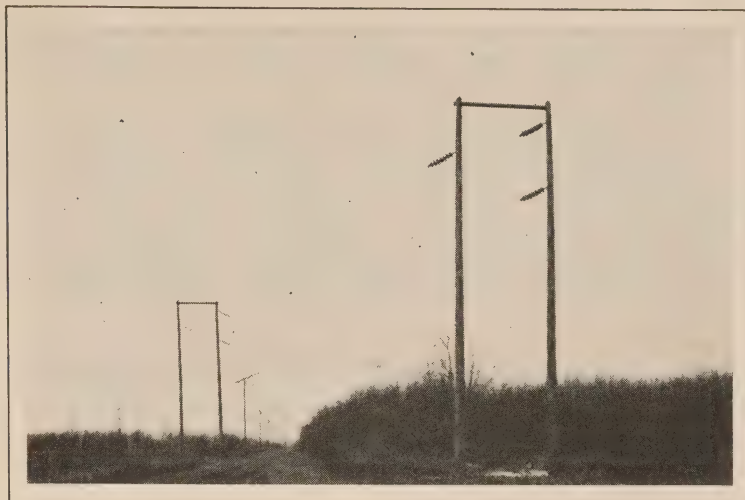
Between Timmins transformer station and the Paymaster Consolidated mine, a 26,400-volt line, 3.77 miles long was completed. The line is the same type of construction as the Pamour Porcupine mine line. The line follows the Central Porcupine mine line and advantage was taken of this by replacing the No. 2 copper circuit by 1/0 copper. This re-arrangement leaves the Central Porcupine mine tapped from the 1/0 copper circuit.

Sudbury District

A 22,000-volt line, 27.5 miles long, between Coniston generating station and the Treadwell Yukon Mining Company's mine, was purchased from the company, and from the Canadian National Railways a similar line, 14.3 miles, between Sudbury Junction and Capreol, was secured. Sixteen miles of the Treadwell Yukon mine line was removed between Stobie junction and the mine. The material was salvaged and later used in the general overhaul of the Coniston to Capreol line.

Patricia District

Between Rat Rapids generating station and the Central Patricia and Pickle Crow gold mines, 27 miles, a single-circuit, 22,000-volt, wood-pole line was constructed. The power conductor is No. 3 copper cable and the single-circuit telephone is No. 9 iron.



TRANSMISSION LINES NORTHERN ONTARIO PROPERTIES

Twin-pole angle structure on 132,000-volt line between Blezard Valley junction and Falconbridge transformer station. Line transferred to opposite side of road to avoid bush cutting

Espanola District

The recently constructed 33,000-volt line between the Abitibi Pulp and Paper Co. generating station and McMillan gold mine, is being incorporated into the Northern Ontario Properties. This line, recently owned by the McMillan Gold Mines, Limited, is a single-circuit, No. 2 copper conductor, wood-pole line, 10.74 miles long.

TELEPHONE LINES—ALL SYSTEMS

Between Allanburg junction and Dundas transformer station co-ordination of telephone lines was completed by rebuilding 10.2 miles of existing lines so that all circuits are on one separate wood-pole line.

At Burlington Beach the telephone conductors previously on Toronto Power steel-towers were removed and re-erected on separate wood poles.

Some telephone poles between Erbs junction and St. Marys transformer station were replaced by higher poles to accommodate rural circuits and attachments.

Between St. Thomas and Kent transformer stations the double-circuit telephone line was rejoined and retransposed to provide phantom group facilities.

Telephone circuits erected in conjunction with new power lines throughout the systems were co-ordinated and placed in service.

DISTRIBUTION LINES AND SYSTEMS

In Appendix III is shown, in tabular form, the progress made in the installation of rural lines during the year, and since the inception of the rural power district plan.

There was a gratifying increase in the demand for service in rural areas. On the following pages items of interest concerning construction in some of the rural power districts and other work in connection with distribution feeder lines, distributing systems owned by municipalities and by the Commission, street lighting, etc., are recorded. These installations are made under the supervision of the Distribution section of the Electrical Engineering department.

Design of Rural Lines

In the design of rural lines during the past few years there has developed, particularly in the United States, a strong tendency towards low costs for initial installations. This, in itself, is praiseworthy, providing the savings in carrying charges on the capital investment are not more than offset by increases in maintenance and operating costs.

Cheap construction which does not ensure a reasonable length of useful life must be loaded with a high rate of depreciation. There are other dangers. The cost of maintenance and operation in rural areas is necessarily higher than in urban districts. It is therefore advisable to reduce to a minimum the cost of maintenance and to eliminate failures in poles, conductors and equipment, due to any cause that can be anticipated.

In Ontario, lines must be built to withstand wind and sleet storms. In winter many miles of line are difficult of access, so that repairs are costly and service interruptions relatively long. The economical design will take into consideration all factors which have a bearing on the cost of supplying satisfactory service to the rural consumer.

In Ontario the native cedar pole is commonly used to carry the conductors and equipment for rural lines. The cost of these supports is a major item in the cost of the completed line, and therefore warrants careful consideration both in the selection of the pole itself and also in the manner of its application in the line. Consideration must be given to the number, size and weight of the conductors to be supported, the nature of the soil in which the pole is set, the length of pole to assure under all conditions of temperature and sleet, ample clearance of the conductors from the ground, and from trees, buildings, foreign lines, etc. There is also involved the exposure to wind and sleet, and the length of span between the supporting poles. It is good practice to provide excess strength of supports in the original construction so that, in spite of the inevitable deterioration which age brings, sufficient strength will remain to withstand the necessary stresses for a long time.

It is evident that if the deterioration of the pole itself can be arrested and the useful life prolonged, a reduction in the excess strength referred to above, is permissible. Poles of lesser strength may be used or the spacing between poles may be increased, and in either case a cheaper line results.

While the preservative treatment of poles is not new, the high cost of the treatment has heretofore been an obstacle to its use. There have been developed, however, processes which are inexpensive and which promise to make the

application economical. Advantage will be taken of this as soon as the original experiments show reasonable confirmation of the efficacy of the treatment.

Another phase of the problem is that with longer spans, stronger conductors are required. These may be obtained by increasing the cross section of materials now in common use, but such larger conductors are more costly. The desired requirement is stronger conductors without increased cost. Heretofore copper, aluminum and aluminum with steel core, have been in common use. There are now available various new combinations of copper with steel and aluminum with steel, which give promise of providing the characteristics required. It is expected that the feasibility of their use will be decided at an early date from observation of the several trial installations made.

Guying for Wood-Pole Lines

Guying is an important feature of wood-pole line construction. When, due to angles in the line or at terminal points, unbalanced strains are imposed on a pole, it is the usual practice to attach a steel cable between the pole and an anchor buried in the ground, to compensate for the lack of balance.

The distribution section of the department has co-operated in the design of a new type of guy which has two outstanding advantages. At no increase in cost over present methods, double strength is obtained, and the taking up of slack, which is inevitable as time passes, is cheaply and readily accomplished.

Several installations have been made satisfactorily and the application of this new equipment should result in a saving in construction and maintenance costs.

Highway Lighting

To demonstrate the efficacy of new types of lamps used for street and highway lighting, four sodium-vapor units were installed on King's Highway No. 8, near Stoney Creek, and one mercury-vapor unit at the intersection of University avenue and College streets in Toronto.

Moving of Poles

The relocation of pole lines continues due to road improvements on township, county and provincial highways.

Engineering for Municipalities

The Commission is frequently requested to advise municipalities regarding problems of distribution. In some cases estimates and plans are prepared and materials and equipment purchased and installed under the supervision of the distribution section of the department.

Joint Use of Poles with "Foreign" Companies

This subject has been studied to ensure satisfactory arrangements where for any reason it may be advisable to permit this type of construction. In addition to the cases of joint use with other companies effected by the Commission, many of the municipalities have already arranged for or are contemplating, joint use. The Commission's staff is able to give advice in this matter to the municipalities.

CONSTRUCTION WORK

The following pages contain brief references to the principal construction work carried on for the several systems in connection with rural lines, distribution feeders and municipal distribution systems.

NIAGARA SYSTEM

Rural Line Construction

Beamsville R.P.D.—N44D3—A number of primary extensions were constructed during the year. A new line was constructed to serve the plant of the Clinton township rock crusher, which had been moved to a new site. Estimates were submitted to change the existing 66 2/3-cycle rural lines and equipment to 25 cycles.

Dundas R.P.D.—N2D1—Estimates on the cost of incorporating the existing 66 2/3-cycle lines and equipment into the 25-cycle system were submitted.

Brant R.P.D.—N12D1—Construction of a line to serve Onondaga was commenced. The line may later be extended to serve the Indian settlement of Ohsweken. The voltage of the circuit now under construction will be 4,000/2,300, with provision for an increase to 8,000/4,600 volts.

Clinton R.P.D.—N8D11—Four additional street lights were installed in Bayfield.

London R.P.D.—N4D2—Due to the re-routing of 13,200-volt lines west from London, the poles of which carried rural circuits also, considerable changes were made to the rural circuits. In a number of sections the poles that support rural circuits only, have been incorporated in the rural system.

Lucan R.P.D.—N4D5—For the first time in a number of years there has been unusual activity in this district. Approximately ten miles of new line were constructed south from Granton and west to Poplar Hill.

Lynden R.P.D.—N2D2—Additional lines were built to serve new consumers and also to serve, from Lynden, some consumers in this district who were formerly supplied from lines connected to the Dundas R.P.D. system.

Markham R.P.D.—N3D1—This district continues to be active and many short extensions were made. The line between Agincourt and Unionville, installed in 1922, was rehabilitated.

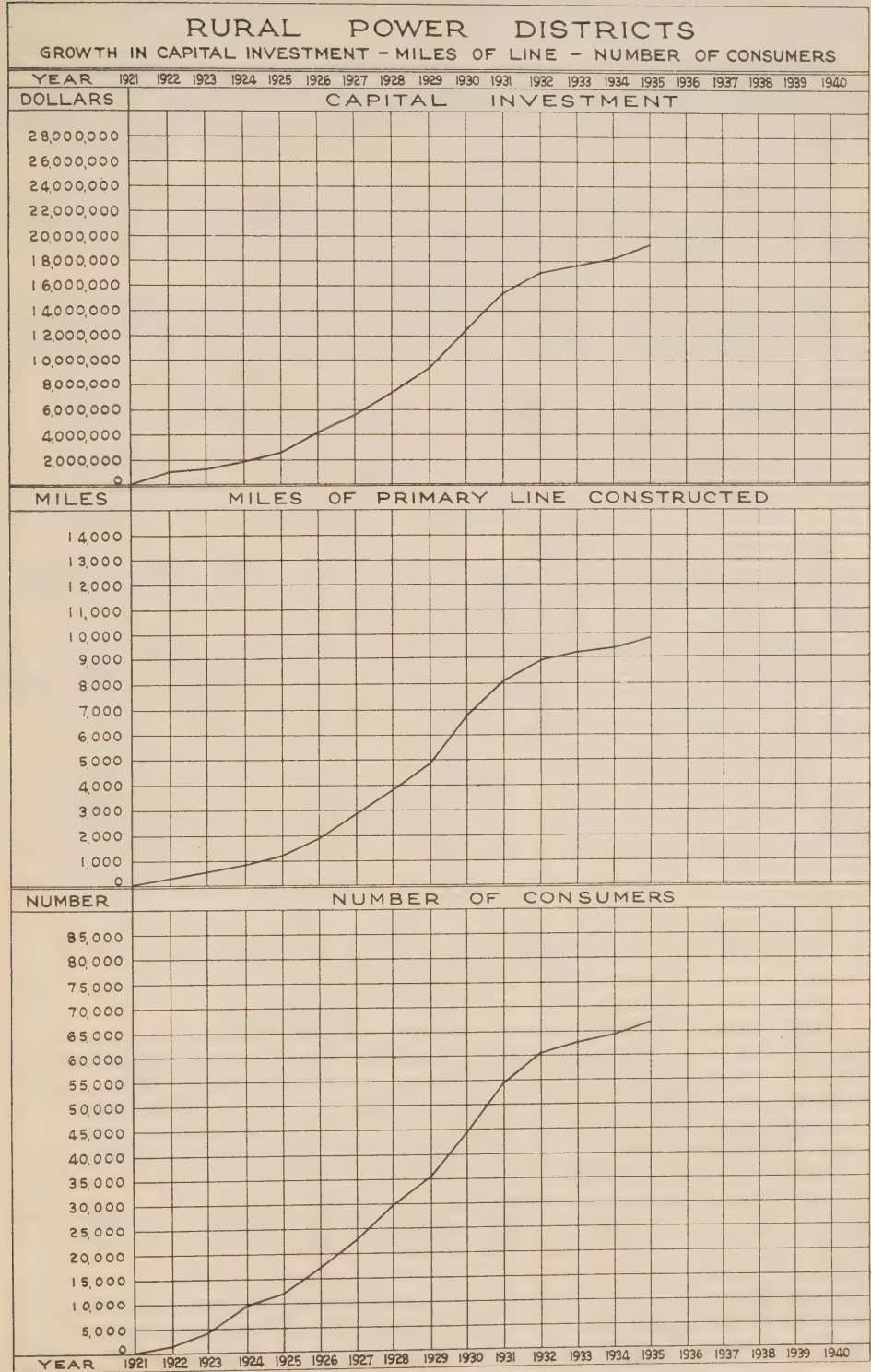
St. Jacobs R.P.D.—N7D2—Estimates were submitted covering improvement in service to Linwood, St. Clements and Heidelberg.

Saltfleet R.P.D.—N17D1—Very little construction of new primary lines was required but a large number of new consumers were connected to existing lines. Road widening of Barton street from Stoney Creek to Winona involved major changes in the transmission lines. Preliminary plans were made for converting the 66 2/3-cycle system to 25 cycles.

Simcoe R.P.D.—N12D6—A new neutral of No. 2 steel-reinforced aluminum was erected between Simcoe and Port Dover for the 4,000/2,300-volt rural circuit. This replaced the 3 No. 13 galvanized steel wire neutral, erected in 1921, which had been causing interruptions due to failure from rust.

Tavistock R.P.D.—N8D1—Damage by sleet necessitated the replacement of conductors on the line between Tavistock and Shakespeare.

Tilbury R.P.D.—N14D14—Work was commenced on 15½ miles of new line of which 13 1/3 miles were completed by the end of October. To improve



service in the south and west sections of the district, $1\frac{3}{4}$ miles of conductor were added to an existing line.

Wallaceburg R.P.D.—N14D13—In addition to the construction of 12 miles of pole lines to serve new consumers, service was improved on Forhan street, at the west limits of Wallaceburg by the installation of larger secondary conductors.

Walsingham R.P.D.—N12D7—Unusual activity in this district is evidenced by the addition of $27\frac{1}{2}$ miles of new line during the year. The increased load necessitated a change in the distribution voltage from 4,000/-2,300 to 8,000/4,600 and this will be made at an early date.

Welland R.P.D.—N1D5—A section of high-voltage transmission line between Welland South and the hamlet of Dain City, being no longer required for its original purpose, was taken over for incorporation into the rural system where it could be used to advantage.

Woodstock R.P.D.—N10D2—Secondary circuits in heavily loaded areas adjacent to Woodstock were rearranged to improve service.

Distribution Feeder Construction

Under this classification are included a number of lines, carrying circuits with voltage suitable for local distribution, by which the Commission supplies power to certain municipalities and other customers.

Delaware D.S. to Mount Brydges—N432x4—The neutral conductors of this 4,000/2,300-volt circuit was the sky wire of the 13,200-volt circuit supported on the same poles. As the sky wire was removed, it was necessary to install another conductor for the neutral.

St. Williams D.S. to Port Rowan—N1253x22—Due to the large increase in rural services in the Walsingham rural power district, it is proposed to change the voltage of this feeder from 4,000 to 8,000. Preliminary arrangements are completed and the change will probably be made before the end of the calendar year.

GEORGIAN BAY SYSTEM

Rural Line Construction

Innisfil R.P.D.—S31D1—To improve voltage regulation, impaired by new extensions and increased loads on existing lines, a three-phase bank of automatic step-boosters was installed near the village of Lefroy. The capacity of the bank is 72 kv-a and the voltage rating of the circuit 8,000/4,600.

Midland R.P.D.—S1D1—Approximately 15 miles of single-phase, 4,600-volt line were added during the year.

Owen Sound R.P.D.—E2D1—Approximately 8 miles of single-phase, 2,300-volt line were constructed to serve the farming section in the vicinity of Hoath Head.

Port Perry R.P.D.—W12D1—Up to 1935 this system was fed from the Port Perry municipal system at 4,000 volts. Due to increased load it was decided to install a separate substation to serve the rural load only and to

change the distribution voltage to 8,000/4,600. This entailed changing connections on 90 transformers and replacing their protective equipment with arresters and switches suitable for the higher voltage. It was also necessary to install a neutral conductor for $8\frac{1}{4}$ miles and to install 1.2 miles of 3-phase No. 2 copper circuit to connect to the new station. All work was completed and placed in service on May 14, 1935.

EASTERN ONTARIO SYSTEM

Rural Line Construction

Bowmanville R.P.D.—C23D1—Extensions totalling 5.06 miles were built during the year including one of 3.23 miles to supply nine consumers in the vicinity of Soper Creek.

Cobourg R.P.D.—C13D1—Approximately 8.63 miles of line were constructed to supply 22 consumers.

Fenelon Falls R.P.D.—C30D1—The line on the north shore of Sturgeon lake was extended $2\frac{1}{2}$ miles and 5.03 miles were built to supply the village of Cambray.

Kingston R.P.D.—C44D1—Approximately 14.9 miles of line were built to supply 39 consumers in the villages of Inverary and Battersea.

Oshawa R.P.D.—C24D1—Extensions totalling 12 miles, including one of 5.5 miles to supply a group of summer consumers at Squires Beach, were constructed during the year.

Renfrew R.P.D.—QM16D1—Construction of 21.7 miles of line to serve consumers in the hamlets of Beachburg, Forrester's Falls, Westmeath and vicinity, was started in October, 1935.

Smiths Falls R.P.D.—H3D1—Fifteen miles of line were constructed to serve the hamlets of Toledo, Frankville, Plum Hollow and neighboring areas.

Wellington R.P.D.—C45D1—Approximately 19.9 miles of rural line were extended north from Picton during the year to supply 46 consumers at Northport, Green Point and in the intervening area. This line is supplied from the Picton distribution system at Picton town limits where the voltage is stepped up to 4,600 from 2,300 volts.

Distribution Feeder Construction

Renfrew D.S. to Cobden D.S.—QM16x1633—The line to supply the village of Cobden was completed early in the year as a three-phase, 6,600-volt, ungrounded line. The increased demand on this line, due chiefly to rural extension in the Renfrew R.P.D., has necessitated an increase in voltage. Arrangements have, therefore, been made to string a neutral wire and convert this line to 11,400/6,600 volt, grounded construction.

Sidney Terminal Station to Trenton Air Station—C3x303—This new line, 4.3 miles in length, at 6,600 volts, 3-phase, was constructed and ready for service on August 14, 1935. The customer had been receiving power from the lines of the Trenton rural power district 4,000/2,300-volt circuit.

Municipal Distributing Systems

Renfrew—A survey of the distribution system of the town of Renfrew was made on request of the power committee of this municipality. Unusual conditions were found due to the amalgamation of three private power companies whose interests in generating and distribution plant were purchased by the municipality. A plan to re-construct the entire distribution system to improve operating conditions is being prepared.

NORTHERN ONTARIO PROPERTIES

Distribution Feeder Construction

Ramore D.S. to Ramore—FA1833x3—The construction of this single-phase 4,600-volt line, approximately 5 miles in length, was commenced on October 23, 1935.

Ramore D.S. to Matheson—FA1833x4—This is a 3-phase, 8,000/4,600-volt circuit, approximately 7 miles in length. Construction was commenced on October 15, 1935.

Sudbury to Sudbury Star Broadcasting Stn.—FS501x4—To serve the broadcasting station of the Sudbury Star, three miles of 4,000-volt circuit were strung on poles of the Commission's 22,000-volt line, and connected to a circuit of the Sudbury municipal system. This new circuit is the property of the Sudbury Star Publishers Limited.

Municipal Distribution Systems

Burwash Industrial Farm—On request of the Provincial Department of Public Works the distribution system on the property of the Burwash Industrial Farm, including 13 miles of 4,000/2,300-volt line was rebuilt to operate at 8,000/4,600 volts. The poles of the main line were tested, replaced where necessary, and extended one mile to supply three-phase power and lighting to a new pumping installation on the Wanapitei river. Branch lines were changed to operate at the new voltage. In this work all ground labor, cartage, etc. was supplied by the Burwash Industrial Farm.

Kirkland Lake—At the request of the township an inventory and valuation were made of the distribution system at Kirkland Lake, township of Teck, Abitibi district. This system is owned by the Northern Canada Power Corporation.

Matachewan—FA1703—A distribution system was constructed to supply approximately 70 consumers in the Matachewan town site from a station at the Young-Davidson mine.

Matheson—FA1804—A distribution system to serve approximately 100 consumers, and a street lighting system in the village of Matheson were commenced on October 23, in the village of Matheson.

Ramore—FA1803—A distribution system to serve approximately 50 consumers, and a street lighting system in the village of Ramore were commenced on October 30.

Timmins—An appraisal was made of the town distribution system, owned by the Northern Canada Power Corporation.

SECTION VII

TESTING—RESEARCH—INSPECTION

The Testing and Inspection department is composed of three main divisions:—the Testing and Research laboratories, the Approvals laboratory and the Electrical Inspection division.

The Testing and Research laboratories comprise the Electrical laboratory, Structural Materials laboratory, Chemical laboratory, Photometric laboratory and the Photographic and Blueprint branches. Their functions include testing, inspection and research in so far as these special services are required by the Commission, the Hydro municipalities and their customers. The Approvals laboratory must test and inspect electrical appliances and devices manufactured for sale or use in Ontario to insure the elimination of equipment hazardous to human life or to property. The Electrical Inspection division is responsible for the administration of the Commission's rules governing electrical installations. The work of this section is province wide and consists mainly in the inspection of wiring installations.

The Commission makes extensive use of its Laboratories and Research Department in studying problems of pressing importance. The purpose of these studies is, for the most part, to acquire technical and scientific information which may be applied to effect economies in construction work, to reduce maintenance costs, or to secure additional power loads. New methods and materials are continually being investigated and improvements in methods of construction and operation are suggested. These investigations have also resulted in the development of new types of equipment for the Commission's own use. A research programme is being followed in which the Laboratory co-operates with other departments in order that all available knowledge of the staff may be made use of in the solution of any problem.

During the year encouraging progress was made in alleviating the effects of vibration of transmission line conductors, a prolific source of trouble in the operation of power lines; a systematic study was made of wooden transmission structures and methods of preserving them from decay, which it is hoped will increase the life of these structures and thereby reduce maintenance costs; continuous inspection of concrete structures yielded information which is being applied to lengthen the life of these structures and to assist the Engineering department to improve its methods of design, while the study of the possibilities of electric soil heating has added to the Commission's rural loads.

In addition to this special work, the testing and inspection of all material and equipment purchased is a routine activity of the laboratory and assures, as far as possible, that the Commission obtains the best available quality in its plants and structures.

TESTING AND RESEARCH LABORATORIES

Statistical and Routine Work

During the year, 84,211 tests were made in the laboratory. This represents an increase of approximately 23 per cent over last year and includes the testing of material purchased under specification, tests for Hydro municipalities and outside organizations, as well as tests required in laboratory investigations.

Materials and Equipment Inspection

Owing to the construction of the new Administration building, extensions to the Abitibi and Chats Falls developments, and to detailed inspection of materials required for new rural lines and transformer stations, much inspection work was required throughout the year.

Transmission Line Materials

The practice of regularly inspecting material required in transmission line construction was continued. The total value of material inspected exceeded last year's figures by approximately twenty per cent. In addition, shop inspection was made of porcelain insulators valued at \$85,000 and copper wire and galvanized steel cable amounting to 505 tons.

Structural and Tower Steel

One hundred and twenty-five tons of structural steel required for the Chats Falls frequency changer and 162 tons of galvanized steel for various station structures were inspected.

Equipment

The major items of electrical equipment inspected were 45 power transformers and 333 distribution transformers of total capacity 122,271 kv-a, 11 oil-circuit breakers of total capacity 346,200 kv-a, 32 disconnecting switches, and three motor-generator sets having an aggregate rating of 1,040 kw. Included in the inspection of power-house equipment were three 48,500 kv-a generators, one 45,000 kv-a frequency changer and miscellaneous smaller items. Most of the above equipment was required for construction at Chats Falls and Abitibi Canyon.

The inspection of equipment for the Beauharnois Light Heat and Power Company was completed. This inspection work included two 53,000-h.p. hydraulic turbines, two 43,822 kv-a electric generators, two motor-generator sets, two transformers and several circuit breakers.

Special attention was directed to the inspection of welding for the synchronous condensers at Leaside, the steam mains in the new Administration building and the frequency changer at Chats Falls.

Administration Building

The inspection of materials and workmanship involved in the Administration building construction was maintained until the structure was completed. Inspection was made of 357 tons of reinforcing steel, 21,000 cubic feet of stone, two tanks and the lining and doors of the securities vault.



INTERNAL STRUCTURE OF AN ALUMINUM INGOT
Three-quarters actual size Structural Materials Laboratory.

Concrete

The inspection of concrete for the Chats Falls frequency changer and the new Administration building were the major items of work under this heading. In each case, a member of the staff was stationed at the job as resident inspector.

Examination of the Commission's existing concrete structures for the purpose of detecting deterioration was continued. Inspections were made of the main dam at Eugenia, the repairs to the power house of the Ontario Power Company, generating stations at Sidney, Frankford, Ranney Falls, Seymour, Auburn and High Falls, the Queenston power house, the intake at Chippawa and thirteen bridges crossing the power canal.

Research

Research work at the laboratories is governed almost entirely by the needs of the Commission, whether they involve the investigation of new methods and materials, studies leading to improvements in methods or materials now in use, the answer to problems arising from troubles experienced in operation, or the investigation of specific problems whose solutions are of importance in various phases of the Commission's activities.

New Methods and Materials

New methods and materials are constantly being investigated to determine if they have sufficient merit to justify their use. Typical examples investigated during the year include:—various types of transmission line equipment, thermostats for soil heating, lighting devices, concrete waterproofing com-

pounds, linemen's safety belts, electro-plated zinc coatings for steel wire, aluminum protective coatings for metal surfaces and water-softening devices for preventing boiler scale.

Investigation of Troubles

Problems of this nature investigated during the year are as follows:

Examination of a copper conductor to determine the reason for failure in service; examination of stator brace bolts from Leaside to determine the cause of undercutting; an investigation of the Abitibi domestic water supply to determine its quality; the investigation of rapid corrosion in cooling pipes at Kirkland Lake; an examination of Leaside cooling pond to determine the cause of excessive algae growth; a study to determine factors responsible for a large increase in core loss of a transformer from Cornwall.

In each case a report was prepared outlining the conditions found to be responsible for the trouble and remedial measures for overcoming it.

Investigations Leading to Improvement in Methods or Materials

To a large extent, problems under this heading are initiated by the lack of satisfactory methods or materials available for some specific purpose. Typical examples of this type of research conducted during the year, are as follows:

Comparative tests to determine the merits of various types of service knobs and wire joints. Forty-eight tests were made.

A search for suitable materials and a procedure for laying acid-resisting mastic floors in the cold state. A complete report was prepared.

An investigation of materials for treating galvanized iron prior to painting.

An analysis of the stresses occurring in wood poles below the ground line.

Tests on integral boiler compounds for steam-heating systems.

The development of a safety fuse for electric-water-heating thermostats. (This device is now required in every new thermostat used for the Commission's domestic water heaters.)

An investigation to determine the corrosive effect of chemical weed destroyers on buried conduit. No satisfactory material has yet been found, but the problem is being studied further.

Metallurgical examinations of numerous samples of weld metal to amplify our knowledge of the crystal structure produced by various processes.

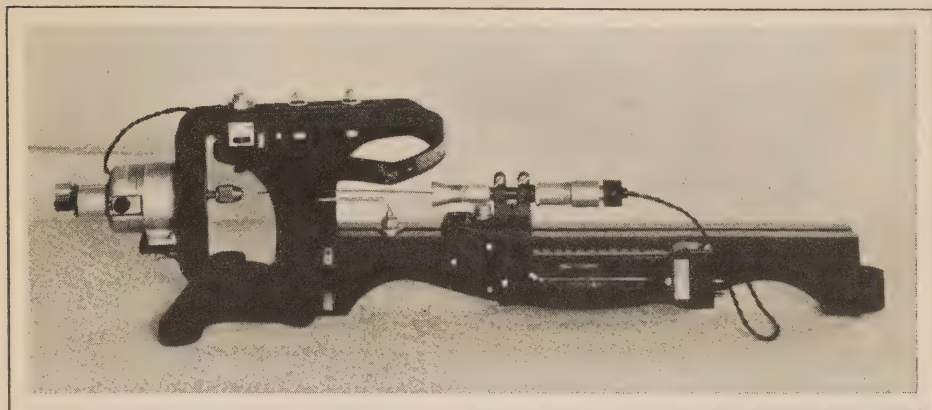
Further development of a method for recharging lightning arresters.

Further work on the development of a high potential indicator. The merits of this device have been definitely established.

Considerable study from the safety hazard point of view was given the problem of electric thawing of frozen water mains.

Treatment of Wood Poles

The study of the preservative treatment of wood poles was continued, extensive tests being made to determine the merits of new treatments and methods of application. A number of stub poles to be planted at Barrie, were treated in the laboratory by various processes, and some study was given to a new method proposed for treating green poles at the time and place they are cut.



FATIGUE TESTING MACHINE FOR WIRE

Used to determine the fatigue limit of conductor materials

The annual inspection of experimental beds at Barrie and Leaside was made, and in addition, more than 500 poles in service were examined to determine the rate of decay and the effect of preservatives.

Paint

Paint investigations were of the same general character as those conducted in the past. These investigations included tests to determine the most suitable enamels and finishes for exterior equipment, the search for a paint suitable for both plastered and metal surfaces and tests to determine the quality of the cheaper grades of roof dressing.

The usual routine work of checking the quality of paints regularly used by the Commission was continued, and an inspection was made of under-water test panels at Niagara Falls.

Oil

The development of a satisfactory method of reconditioning deteriorated transformer oil has received much attention in recent years. This year, the investigation was advanced to the stage where definite recommendations as to methods and equipment were made for field installations.

Another current oil research is an investigation to determine the rate at which insulating oils absorb oxygen. This study is being made in an endeavour to improve upon existing test methods. Motor vehicle and generator lubricants have also been studied.

Concrete

A major concrete investigation was conducted to study small test specimens to determine their usefulness as a strength indicator for materials and proportions proposed for minor construction projects. The development of a test of this nature was dictated by the high cost of transporting samples of test materials from remote power sites. The tests in this investigation have been completed, but the results have not been analyzed.



RESEARCH ON VIBRATION OF LINE CONDUCTORS

Test span and observation platform at Port Credit

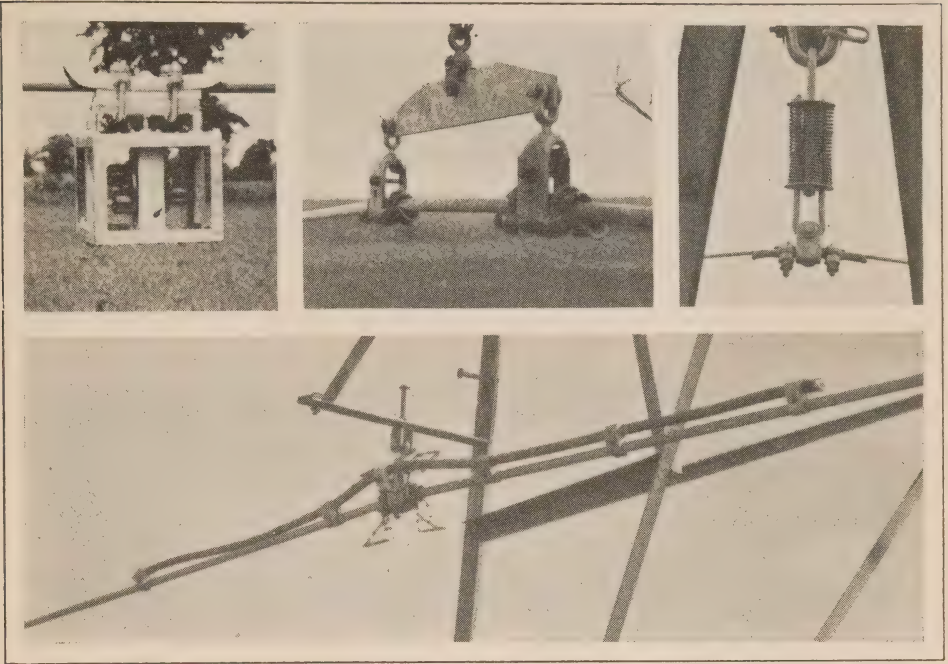
Numerous investigations respecting concrete were made to determine proportioning data for current construction operations at Chats Falls, Abitibi Canyon, Cameron Falls dam, the new Administration building, station structures at Southampton, Simcoe, Ottawa, Falconbridge, Timmins, Larder Lake, and Kirkland Lake, and the Experimental station at Leaside. Several investigations were also made for outside organizations, and assistance was given a Hydro municipality in the selection of a design for concrete street poles.

Additional study was given to the durability of concrete and to proposed methods of determining the constituents of fresh concrete.

The policy of regularly inspecting the various Commission plants has provided much valuable data on the deterioration and repair of concrete, but, in addition, the practice has been followed of studying other structures whose conditions offered opportunity to add to our knowledge of these subjects. During the year, about twenty such inspections were made, mainly of structures already visited in past years.

Vibration of Transmission Line Conductors

The study of conductor breakages due to vibrations caused by the wind has advanced appreciably during the year. Extensive field tests were made,



TYPICAL DEVICES TESTED FOR THEIR ABILITY TO REDUCE TRANSMISSION LINE VIBRATIONS

Upper Row:

Centre: Whiffle tree suspension.

Left: Oscillating mechanical device.

Right: Spring suspension.

Lower: Festoon damper.

and several devices proposed for damping or eliminating vibration were tested to determine quantitatively what might be expected of them under operating conditions.

A laboratory investigation was made to determine the vibration characteristics of various types of dead-end clamps and connections. This study revealed several features of value. The study of fatigue properties of wire was confined to microscopic examinations of aluminum to determine what effect crystal structure, defects, impurities and manufacturing processes might have on the finished wire. This investigation will be continued.

Radio Interference

Special tests were made to determine the characteristics of materials causing radio interference, and assistance was given the Department of Marine, in locating sources of interference on the Commission's systems.

Communication

Problems of this nature arise through the necessity of maintaining constant communication between the Commission's power stations. During the year, attention was given to the control of frequency by use of crystals for short wave radio transmitters and to inductive interference between power and communication systems.

Off-Peak Power Studies

During the year consideration was given by the Commission to proposals regarding uses for off-peak power, and it was decided to investigate the electrolytic production of oxygen and hydrogen, its applications in industry and its possibilities as a means of increasing both Commission and municipal off-peak load. An experimental plant is being built at Leaside which will be in operation about December 1, 1935.

Miscellaneous Research

Analyses were made of the cause of system interruptions and of the operating stability of power networks, and some study was given to a proposed scheme of residential heating using the system of the reversed refrigeration cycle.

Members of the staff have taken active part in committee work in respect to subjects of particular interest to the Commission. Co-operation was given many of the engineering and standards associations, and several technical papers were presented during the year.

Miscellaneous

New Equipment

Equipment purchased during the year consisted of a wire fatigue testing machine for determining the endurance limits of conductor materials, and a set of screens for concrete tests.

Equipment designed and constructed included an abrasion machine for testing conductor coverings, a dielectric testing board for insulated wire and cable, and a small device for removing the impregnating compound from wire wrappings.

Purchase Specifications

A revised specification for copper wire and cable was drafted in co-operation with the Engineering department and the purchase specification for wood was reviewed.

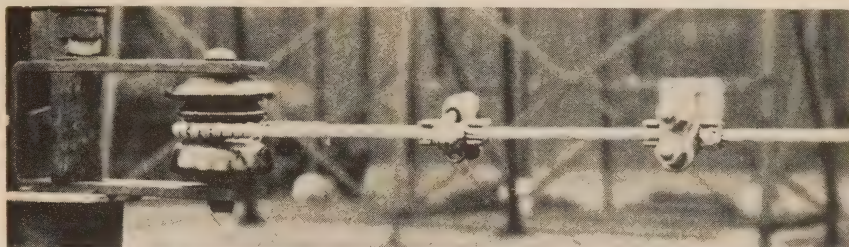
The laboratories collaborated with the American Concrete Institute in revising the 1928 Rules and Regulations for Concrete and Reinforced Concrete and with the Canadian Engineering Standards Association in preparing specifications for carbon steel forgings and reinforcing materials for concrete.

Service Building

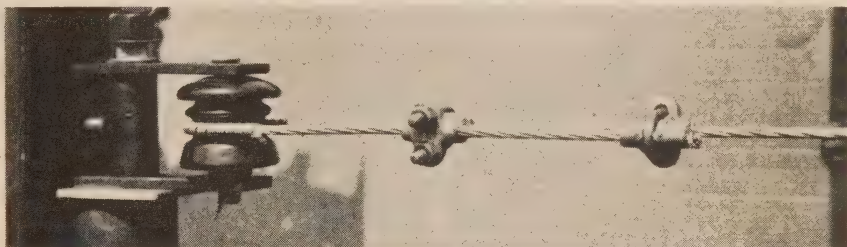
A complete inspection of the building was made and several changes, recommended as a result of this inspection, were carried out. Special attention was given to the elevator and fire protection equipment, and alterations to the heating system are in progress.

Lighting Service

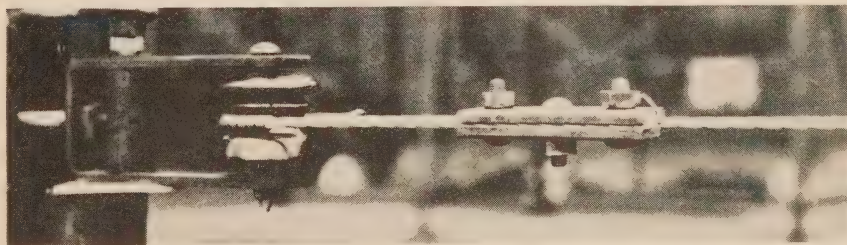
During the 1935 lighting campaign, thirteen lectures accompanied by practical demonstrations were given in various parts of the Province by a member of the staff. These lectures resulted in a substantial increase in the demand for lighting service and eighty-one reports on lighting problems were submitted in response to customers' requests. Assistance was also given to the larger municipalities holding lighting shows, to the Engineering department in the selection of lighting units for the new Administration building, and to a local hospital in the development of a surgical spotlight.



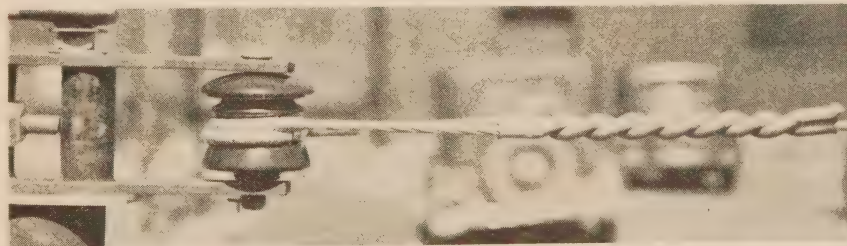
STEEL CLAMPS



ALUMINUM CLAMPS



THREE BOLT CLAMP



TWISTED ALUMINUM SLEEVE

DEAD-END CONNECTIONS ON RURAL TRANSMISSION LINES TESTED FOR VIBRATION CHARACTERISTICS

A new highly efficient lamp developed in the United States was introduced into Canada during the year, and at the request of Canadian manufacturers arrangements were made between the Commission and the Illuminating Engineering Society of the United States whereby the testing of this lamp would be carried on by the laboratory. This work is now proceeding and nine Canadian manufacturers are making use of the service.

Lamps

Lamp sales showed an increase of about 18 per cent over the previous year. The quality of these lamps is regularly checked by shop and laboratory tests.

Thirty-two lamps were standardized for lamp testing and other photometric requirements, and a number of tests and lamp problems were handled for municipalities. In this way, assistance not otherwise available is furnished for their individual needs.

Five automobile lighting devices were tested and seven others were examined under the specifications of the Department of Highways.

APPROVALS LABORATORY

Statistical

The following table gives a summary of the testing and inspection work of the Approvals laboratory for the past three years:

	1933 number	1934 number	1935 number
Applications for approval.....	743	742	696
Applications for special inspection, etc..	237	267	362
Applications for listing only.....	67	54	30
Factory inspection reports.....	3,328	3,998	4,928
Labels sold (except conduit and wire, cord, cable, etc.).....	621,723	1,057,378	1,435,906
Labels sold—conduit	446,000	705,000	653,600
Labels sold—wire, cord, cable, etc.	334,000	438,000	499,000

Total number of labels sold.....	1,401,723	2,200,378	2,588,506
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The following table gives the amount of wire, cable and conduit labelled during the past three years:

	1933 feet	1934 feet	1935 feet
Insulated wire.....	63,600,000	74,125,000	87,750,000
(Incl. R.C. fixture wire and heat- resisting fixture wire)			
Flexible cord.....	22,200,000	20,375,000	21,750,000
Heater cord.....	5,560,000	4,500,000	5,625,000
Armoured cable.....	7,420,000	9,150,000	8,250,000
Flexible steel conduit.....	120,000	150,000	200,000
Flexible non-metallic tubing.....	4,500,000	4,250,000	5,250,000
Non-metallic sheathed cable	6,300,000	7,250,000	7,300,000
Rigid steel conduit.....	4,680,000	7,050,000	6,536,000
(Incl. nipples and elbows)			

Applications for approval may be sub-divided as follows:

	1933 number	1934 number	1935 number
Motor-driven appliances.....	222	194	186
Electrically-heated appliances.....	168	201	192
Wiring devices.....	125	96	88
Lighting devices.....	106	112	87
Industrial control devices and transformers.....	43	31	22
Miscellaneous equipment and materials.....	43	53	81
Wire and cable.....	19	17	8
Radio and sound appliances.....	17	38	32

Specifications

Summary of Work

	1933 number	1934 number	1935 number
Specifications in process by Canadian Engineering Standards Association at beginning of year.....	15	17	17
Specifications printed and issued.....	5	7	9
Other specifications advanced to C.E.S.A. form.....	4	1	12
Other specifications begun by laboratory staff..	10	8	4
Meetings of C.E.S.A. Specification panel attended by staff.....	15	9	14
Average attendance by staff members.....	3.5	3	2.5
Other meetings relating to Approvals work.....	3	2	1

Label Sales

It will be noted that there has been an increase over the year 1934 of 17½ per cent in the number of labels sold. This is due largely to an increased demand for labels for electric fixtures, portable lamps, service boxes, panel-boards, branch circuit breakers and signs.

The volume of wire, cord, cable, and conduit labelled during the past three years is shown on a separate table. Except in the case of rigid conduit and armoured cable all items show an increase over the previous year. Part of the increased use of the "insulated wire" label is no doubt due to requirements set forth in the Specification on Electric Fixtures.

A new combination approval label for decorative lighting outfits was designed and label service made effective in April, 1935, to cover equipment sold the following season.

Miscellaneous

Improvements were made in the equipment for testing fuses and small circuit-breakers and for making dielectric tests on wire and cable.

A revision of the general bulletin covering operation of the label service on rubber-covered wires and cables and in line with the draft of Specification No. 38 of the Canadian Electrical Code, Part II, was prepared. It is expected that this revised bulletin will be made effective early next year.

In the operation of the label service for insulated wires, cables and cords a new standard identifying marker scheme was put into effect. The quality of the wire and cable is controlled by a series of tests conducted in the factories and in the laboratory, and demerit reports for this year indicate that manufacturers of wire and cable are continually improving the quality of these important products.

Applications received during the year show some new items which appear to have received attention from manufacturers. These items include warming pads, coffee makers and toasters; picture and sound-projecting machines of the portable type; motors and motor-operated pumps and tools; refrigeration control devices; Christmas-tree outfits; therapeutic short-wave diathermy equipment; enclosures (other than explosion-proof) for use in hazardous locations.

Further assistance was given to restrict the sale of substandard fixtures and appliances, and it is believed that the sale of these devices is now effectively controlled in Ontario.

The preparation of specifications in co-operation with the Canadian Engineering Standards Association and the manufacturers of electrical equipment has continued with results as indicated in the table "Specifications" appearing above. Surveys have been made of a few of the existing specifications as issued by the Canadian Engineering Standards Association, and revisions have been made to keep the standard specifications in line with the developments in the art.

Several problems involving industry and the Canadian Electrical Code have been disposed of, with evident benefit to all parties concerned.

ELECTRICAL INSPECTION DEPARTMENT

The Electrical Inspection department was reorganized at the beginning of the present fiscal year. Prior to the re-organization, the department embraced thirty-two Electrical Inspection districts with district offices located in the principal cities and towns in the Province.

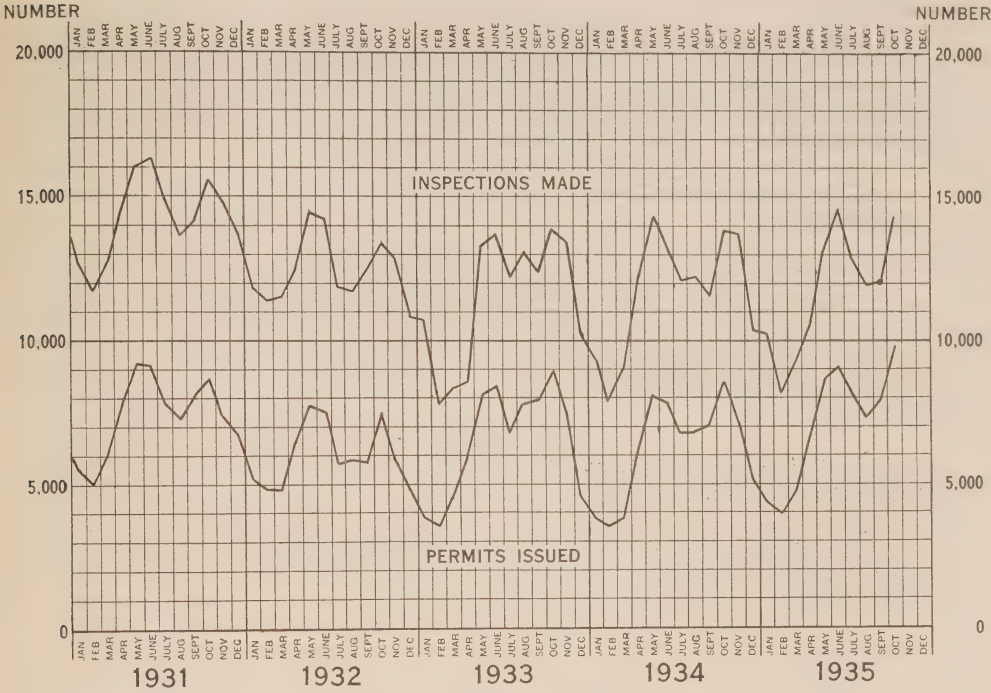
In the reorganization, ten district offices were closed.

The district offices closed were:—Belleville, Guelph, Niagara Falls, Orillia, Peterboro, Sarnia, St. Thomas, Stratford, Windsor and Woodstock.

The Tenth Edition of the Hydro-Electric Power Commission Rules and Regulations Governing Electrical Installations for Buildings, Structures and Premises, primarily the Canadian Electrical Code, Part I, Third edition, was released by the Canadian Engineering Standards Association early this year and became effective in Ontario on November 1st, 1935.

Statistical

The volume of business, handled by the department, showed a decided improvement over 1934. In all 82,915 permits were issued, an increase over 1934 of 9,691, or 13.2 per cent. 141,604 inspections were made, an increase of 1,884 or 1.3 per cent.



The following table contains figures relating to the operation of the department for the past seven years, beginning with the peak year 1929:

Years	Permits issued	Inspections made
1929.....	95,876	189,690
1930.....	95,229	186,891
1931.....	89,760	177,782
1932.....	76,171	153,895
1933.....	75,054	137,760
1934.....	73,224	139,720
1935.....	82,916	141,604

Fires Attributed to Electricity.

Each year, a large number of fires are alleged to have been caused by defective electric wiring or equipment. In the majority of instances when an investigation is made, any evidence which would afford proof of the electrical origin has been destroyed by the fire. Fourteen fires were found to have been due to electrical defects as compared to twenty-three in 1934. They have been classified as to origin as follows:

Origin	Number
Armoured cable.....	4
Extension cords.....	5
Short circuit in elevator control.....	1
Short circuit in base of gasoline pump standard.....	1
Fuse holder bridged.....	1
Loose joint.....	1
Short circuit between armoured cable and foreign circuit.....	1

Electrocutions

Six persons were electrocuted this year, through contact with electric wiring or equipment coming under the jurisdiction of this department, this number being an increase of three over last year. The individual causes are briefly cited below:

Child electrocuted by putting a live circuit wire in its mouth. Voltage of circuit, 115.

Two men were electrocuted when deep well pump rods, which they were removing from a well, came in contact with a primary feeder. Voltage to ground, 2,200.

Girl electrocuted when using a defective ironing cord. Voltage of circuit, 115.

Man electrocuted when attempting to remove an improperly connected plug from a portable welding machine. Voltage of circuit, 550.

Man electrocuted while working on a silo filling blower pipe. The pipe was lifted off the cutting box and fell over, coming in contact with a 4,600 volt line.

Ground Tests

Two thousand five hundred and eighty-nine ground tests were made this year, in isolated communities and in rural districts, an increase of 770 or 42 per cent over 1934. The grounds so tested are required by the rules and regulations in order to minimize life and fire hazards.

Infractions of Regulations

Twenty-two persons and companies were prosecuted for various infractions of the Provincial rules and regulations, such as installing wiring and equipment without permits or neglecting to remedy defects which constitute a life or fire hazard.

Re-Wiring

The routine work of re-inspecting the older and more obsolete type of installation has been carried out as in previous years. Towards the latter part of the year, the department was requested by the Liquor Control Board to make a general inspection of all hotels throughout the Province. This request followed two fires which caused a loss of life on hotel premises. These inspections will be completed early in the fiscal year 1936. In all, 2,714 installations were brought up to a reasonable standard of safety at an approximate cost of \$189,680.

SECTION VIII

ELECTRIC RAILWAYS

THE HAMILTON STREET RAILWAY COMPANY

A Subsidiary of The Hydro-Electric Power Commission of Ontario— Niagara System

Gross earnings on the Hamilton Street Railway for the year 1935 increased 12.34 per cent. Operating expenses (including taxes) decreased 1.7 per cent. The net earnings increased by \$111,897. The improved earnings were due to the elimination of jitney competition, improved employment conditions in Hamilton, and the adoption of a five cent fare.

The balance sheet and income account are given at the end of Section IX.

Operating results are summarized and compared in the following tabulation and chart.

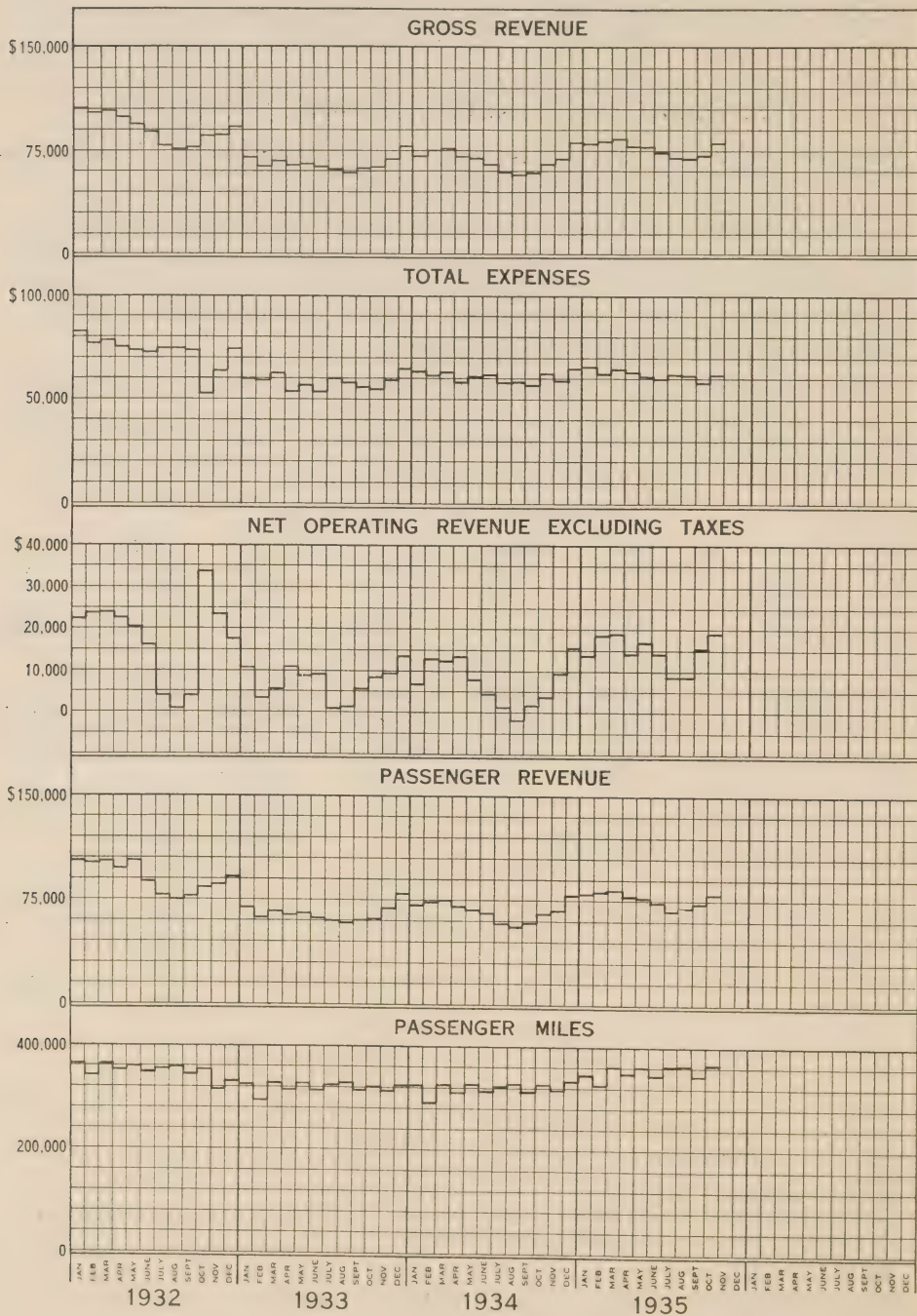
HAMILTON STREET RAILWAY Comparative Operating Statistics

	1934			1935		
	Tramways	Buses	Total	Tramways	Buses	Total
Operating revenues:	\$	\$	\$	\$	\$	\$
Passenger.....	661,055	148,640	809,695	717,572	191,973	909,545
Freight.....	3,980	.....	3,980	3,823	.....	3,823
Other operations.....	4,990	616	5,606	6,456	579	7,035
Operating revenue.....	670,025	149,256	819,281	727,851	192,552	920,403
Operating expenses.....	580,197	155,179	735,376	577,097	172,963	750,060
Net operating revenues....	89,828	5,923*	83,905	150,754	19,589	170,343
Taxes.....	50,600	7,573	58,173	29,249	3,465	32,714
Net operating income.....	39,228	13,496*	25,732	121,505	16,124	137,629
Interest on advances from Niagara System.....	.....	.....	11,551	.....	.....	10,292
Dividend appropriations.....	.....	.....	14,181	.....	.....	127,337

*Deficit

	1934	1935
Route-miles:		
Tramway.....	27.28	27.28
Bus.....	17.69	17.69
Total.....	44.97	44.97
Track-miles.....	43.45	43.45
Passenger cars operated.....	82	74
Passenger buses operated.....	30	30
Car-miles operated:		
Passenger cars.....	2,582,058	2,876,039
Passenger buses.....	1,240,821	1,298,997
Car-hours operated:		
Passenger cars.....	288,101	306,308
Passenger buses.....	99,465	105,080
Passengers carried.....	15,700,431	19,634,096
Percentage of transfer passengers to revenue passengers.....	20.9%	19.5%

THE HAMILTON STREET RAILWAY COMPANY OPERATING STATISTICS



GUELPH RADIAL RAILWAY

Operated by The Hydro-Electric Power Commission for the City of Guelph

There was no major commitment on capital account during the year. Essential maintenance on way and structures, and equipment was performed.

The balance sheet and income account are given at the end of Section IX.

Operating results are summarized and compared in the following tabulation and chart.

GUELPH RADIAL RAILWAY
Comparative Operating Statistics

	Tramways	1934 Buses	Total	Tramways	1935 Buses	Total
	\$	\$	\$	\$	\$	\$
Operating revenues						
Passenger.....	38,849	16,366	55,215	36,662	15,880	52,542
Freight.....	9,299		9,299	9,573		9,573
Other operations.....	482	53	535	468	38	506
Operating revenue.....	48,630	16,419	65,049	46,703	15,918	62,621
Operating expenses.....	54,804	15,595	70,399	51,978	16,837	68,815
Net operating deficit.....	6,174	824*	5,350	5,275	919	6,194
Taxes.....	257		257	244		244
Net operating loss.....	6,431	824*	5,607	5,519	919	6,438
Interest and instalment payment.....			†23,515			†23,843
Sinking fund.....			3,485			3,624
Renewals—buses.....						2,358
Total deficit.....			32,607			36,263

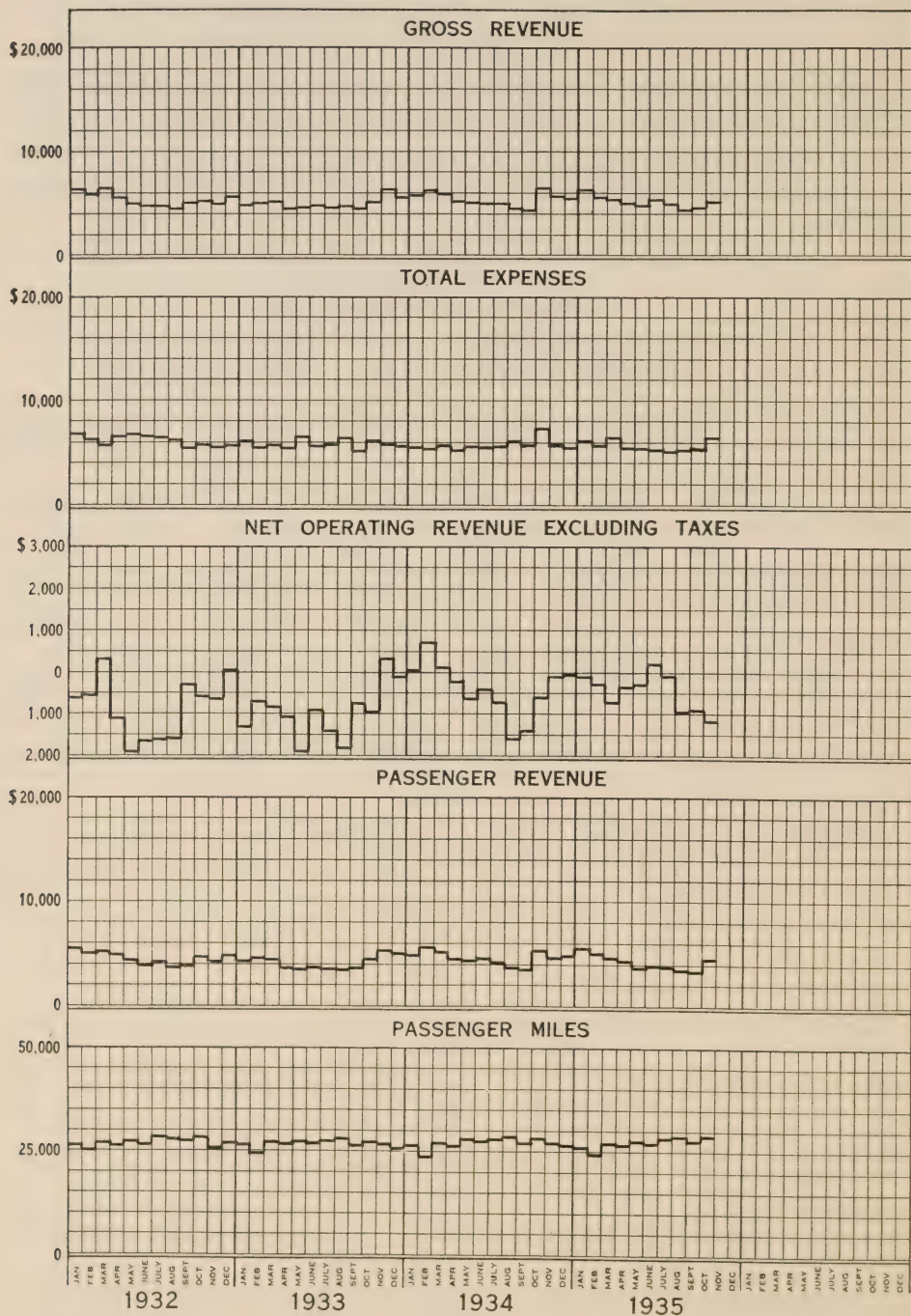
*Surplus

†Includes \$11,700 on purchase account, made up as follows:

	1934	1935
Amortization.....	\$8,731	\$9,128
Interest.....	2,969	2,572

	1934	1935
Route-miles:		
Tramway.....	6.41	6.41
Bus.....	5.99	5.99
Total.....	12.40	12.40
Track-miles.....	9.06	9.06
Passenger cars operated.....	7	7
Passenger buses operated.....	4	4
Car-miles operated:		
Passenger cars.....	225,446	226,892
Passenger buses.....	97,698	99,909
Freight locomotive.....	10,424	9,518
Car-hours operated:		
Passenger cars.....	27,896	27,510
Passenger buses.....	13,860	14,110
Freight locomotive.....	2,064	2,075
Passengers carried.....	1,196,377	1,119,719
Percentage of transfer passengers to revenue passengers.....	27.15%	26.51%

GUELPH RADIAL RAILWAY—OPERATING STATISTICS



SECTION IX

FINANCIAL STATEMENTS

Relating to

**Properties Operated by The Hydro-Electric Power Commission in the
Niagara, Georgian Bay, Eastern Ontario and Thunder Bay Systems
on Behalf of Municipalities**

and to

**Northern Ontario Properties Operated by the Commission
on Behalf of the Province,**

**The Hamilton Street Railway Company—A Subsidiary of
Niagara System, and**

**Guelph Radial Railway—Operated by the Commission
on Behalf of the City of Guelph**

IN this section of the Report financial statements relating to the activities of The Hydro-Electric Power Commission, segregated into certain distinct divisions, are presented. The first division relates to those activities on behalf of the co-operative municipalities, which are partners in the main "Hydro" undertaking comprising the Niagara, Georgian Bay, Eastern Ontario and Thunder Bay systems and certain minor properties. The second relates to the administration of the Northern Ontario Properties which are operated by the Commission on behalf of the Province. The third and fourth relate to The Hamilton Street Railway Company, a subsidiary of the Niagara system, and to the Guelph Radial Railway operated by the Commission for the city of Guelph. For each of these divisions of the Commission's administrative work, there are presented a balance sheet and an operating and income account. In the case of the co-operative systems and the Northern Ontario Properties, supplementary statements respecting fixed assets, reserves, etc., more fully described below, are given.

Co-operative Systems

In the Foreword to this Report a brief reference is made to the basic principle governing the operations of the "Hydro" undertaking in supplying electrical service at cost, and to the *wholesale* and *retail* aspects of the work. A description is also given of the several systems into which the partner municipalities are co-ordinated for securing common action with respect to power supplies, through the medium of The Hydro-Electric Power Commission which, under The Power Commission Act, functions as their Trustee.

Although for the purpose of financial administration the various systems are separate units, there is a similarity of procedure with respect to their operation which enables certain financial statements, as for example the various reserves, to be co-ordinated and presented in summary tables.

The first set of tables in Section IX gives collective results for the co-operative activities related to the four systems and minor associated properties. These tables include a **balance sheet**; an **operating and income account**; a **summarization of cost distributions** as detailed in the "cost of power" tables referred to below; schedules respecting **fixed assets**, **capital expenditures and grants—rural power districts**, **power accounts receivable**, **funded debt issued or assumed**, **renewals reserves**, **obsolescence and contingencies reserves**, **sinking fund reserves**, and the **account with the Provincial Treasurer of the Province of Ontario**.

The tables which follow these general financial statements relate more particularly to the individual municipality's aspects of the wholesale activities of the Commission and for each system show the **cost of power** to the individual municipal utilities, the **credit or debit** adjustment that is made at the end of the fiscal year, and the **sinking fund** equity that has been acquired by the individual municipality. There is also included for each system a **rural operating** statement.

The charges for power supplied by the Commission to the various municipalities vary with the amounts of power used, the distances from the sources of supply and other factors. The entire capital cost of the various power developments and transmission systems is annually allocated to the connected municipalities and other wholesale power consumers, according to the relative use made of the lines and equipment. Each municipality assumes responsibility for that portion of property employed in providing and transmitting power for its use, together with such expenses—including the cost of purchased power if any—as are incidental to the provision and delivery of its wholesale power. The entire annual expenses—including appropriations for reserves—incurrd by the Commission in the supply of power at wholesale are thus paid out of revenues collected in respect of such power, through the medium of power bills rendered by the Commission. The municipalities are billed at an estimated interim rate each month during the year and credit or debit adjustment is made at the end of the year,* when the Commission's books are closed and the actual cost payable by each municipality for power received has been determined.

Included in the municipality's remittance to the Commission for the wholesale cost of power—besides such current expenses as those for operation and maintenance of plant, for administration, and for interest on capital—are sums required to build up reserves for sinking fund, for renewals, and for obsolescence and contingencies. The first-mentioned reserve is for the purpose of liquidating the capital liabilities; consequently as capital obligations are discharged the plant will progressively be freed from interest expense. The other reserves are, respectively, being created to provide funds for the replacing or rebuilding of plant as it wears out; to enable the undertaking to replace existing equipment with improved equipment as it becomes available through advances in science and invention, and to meet unforeseen expenses which from time to time may arise.

*The financial year for the Commission ends on October 31. The financial year for the municipal electric utilities, however, ends on December 31, and the municipal accounts are made up to this date, and so recorded in Section X.

The ultimate source of all revenue to meet costs—whether for the larger operations of The Hydro-Electric Power Commission or for the smaller local operations of the municipalities—is, of course, the consumer. Out of the total revenue collected by each municipal utility from its consumers for service supplied, only an amount sufficient to pay the wholesale cost of power supplied by the Commission as outlined above is remitted to the Commission; the balance of municipal electrical revenue is retained to pay for the expense incurred by the local utility in distributing the electrical energy to its consumers.

Tabular Data

The following comments relate to the tabular data presented:

Balance Sheet.—The first tabular statement given in Section IX is a balance sheet showing the assets, and the liabilities, reserves and equities of the several co-operative systems.

Operating and Income Accounts.—This statement, for each of the four systems, miscellaneous administrative and other properties, and certain electric railways, shows the operating revenues, operating expenses, including cost of power purchased, renewals provisions and obsolescence and contingencies provisions, miscellaneous income, deductions from income including interest, etc., and sinking fund appropriations. On this table is also included similar information respecting properties operated for others, including Northern Ontario Properties, so as to present a combined total covering all properties operated by the Commission.

Summarization of Cost Distributions—This statement is a summary of the “cost of power” tables relating to the individual systems as referred to more particularly below, and shows how the figures contained in the operating and income accounts are finally distributed among the various consumers.

Fixed Assets—Details are given concerning the various fixed assets of each system and of the miscellaneous properties, whilst similar details are shown of the capital expenditures for the year ended October 31, 1935.

Capital Expenditures and Grants—Rural Power Districts.—This schedule gives summary information respecting the total capital expenditures on rural power districts and grants-in-aid of construction made by, or claimed from, the Province with respect to such rural districts.

Power Accounts Receivable—This schedule sets forth the amounts collectible from all classes of power consumers and includes the annual adjustment figures from the “credit or charge” statements for municipalities. The main details of those debit balances three months or more overdue are stated.

Note—The annual adjustment figures from the “credit or charge” statements for rural power districts do not represent accounts receivable and these have therefore been shown on the balance sheet under the title of “rural power districts—rates suspense”.

Funded Debt, Issued or Assumed—This schedule presents a complete list of the securities issued or assumed by the Commission on account of the several systems, the Northern Ontario Properties and the Guelph Radial Railway. It should be noted that where securities have been

issued to finance properties operated for others, this liability is only shown in memorandum form on the balance sheet of the Commission, whilst the direct liability is shown on the balance sheets of the Northern Ontario Properties and the Guelph Radial Railway.

Renewals Reserves, and

Obsolescence and Contingencies Reserves—These schedules show the provisions made to, the expenditures from, and the balance to the credit of, these reserves for each of the systems and other properties included in the power undertakings operated on a cost basis.

Sinking Fund Reserves—This schedule summarizes the appropriation of principal and interest with respect to these reserves for each of the systems and certain minor properties.

Account with the Provincial Treasurer—This schedule lists, both for the Niagara and other systems operated on a cost basis, and for the Northern Ontario Properties operated for the Province, the advances from the Province of Ontario and the interest, commission and exchange charges on these advances. It should be noted that Provincial advances to finance Northern Ontario Properties are shown in memorandum form only on the balance sheet of the Commission as the direct liability is carried on the Northern Ontario Properties' balance sheet.

Following these statements, which are common to all systems, there are given for each of the individual co-operative systems four tabular statements as follows:

Cost of Power statement, which shows the apportionment to each municipality or rural power district of the items of cost summarized in the operating account, as well as the apportionment of the fixed assets in service listed in the balance sheet and the amount of power taken by each municipality. It should be noted that the cost of power given in this table is the wholesale cost—that is, the cost which the Commission receives for the power delivered from the main transformer stations serving the local utility or rural power district. In the case of rural power districts, the costs of power for the respective districts appear also in the "rural operating" statement, immediately following, as "cost of power delivered"; in the case of municipal electrical utilities not directly administered by the Commission, the respective costs of power appear in Statement "B" of Section X as "power purchased".

Rural Operating statement, which shows for each rural power district the various items of cost, and the revenues received, in connection with the distribution of electrical energy to consumers.

Credit or Charge statement, which shows the adjustments made in order to bring the amounts paid by each municipal electric utility to the actual cost of service to that municipality. These credits and charges are taken up and given effect to in the municipal accounts of "Hydro" utilities before the operating records of each year are closed.

Sinking Fund statement, which gives the accumulated total of the amounts paid by each municipality and rural power district as part of the cost of power together with its proportionate share of other sinking funds.

Northern Ontario Properties

The statements and schedules respecting these properties which are operated by the Commission on behalf of the Province of Ontario include the balance sheet, operating and income accounts, schedules of fixed assets, renewals reserves, and obsolescence and contingencies reserves. These schedules are similar in form to the corresponding schedules relating to the co-operative systems.

The Hamilton Street Railway Company

This is a subsidiary of the Niagara system of the Commission. A balance sheet and income account are presented.

Guelph Radial Railway

This railway is operated by the Commission on behalf of the city of Guelph. A balance sheet and operating and income account are presented.

Municipal Utilities

All municipal "Hydro" utilities have current expenses to meet similar to the expenses of the Commission and have adopted the same financial procedure with respect to their operations. In other words, concurrently with the creation of funds to liquidate their debt to the Commission and to provide the necessary reserves to protect generating, transforming, and transmission systems, the municipalities are taking similar action with respect to their local "Hydro" utility systems.

The balance sheets, operating reports and statistical data appearing in Section X, under the heading of "Municipal Accounts", relate to the operation of local distribution systems by individual municipalities which have contracted with the Commission for their supply of electrical energy. To this section there is an explanatory introduction to which the reader is specially referred.

Auditing of Accounts

The accounts of The Hydro-Electric Power Commission of Ontario are verified by auditors specially appointed by the Provincial Government. The accounts of the "Hydro" utility of each individual municipality are prepared according to approved and standard practice and The Public Utilities Act requires that they shall be audited by the auditors of the municipal corporation.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

FINANCIAL ACCOUNTS

For the Year Ended October 31, 1935

Relating to Properties operated on a "Cost Basis" for the Co-operating
Municipalities and Rural Power Districts which are supplied with
Electrical Power and Services from the following Properties:

Niagara System	Bonnechere River Storage
Georgian Bay System	Nipissing Rural Power District
Eastern Ontario System	Manitoulin Rural Power District
Thunder Bay System	Service and Administrative Buildings and Equipment

STATEMENTS

Balance Sheet as at October 31, 1935

Operating and Income Accounts for the Year ended October 31, 1935

Summarization of Cost Distributions for the Year ended October 31, 1935

Schedules supporting the Balance Sheet as at October 31, 1935:—

Fixed Assets—By Systems and Properties

Capital Expenditures and Grants—Rural Power Districts

Power Accounts Receivable

Funded Debt Issued or Assumed

Renewals Reserves

Obsolescence and Contingencies Reserves

Sinking Fund Reserves

Account with the Provincial Treasurer of the Province of Ontario

Detailed Statements for Municipalities and Rural Power Districts

THE HYDRO-ELECTRIC POWER

BALANCE SHEET AS AT OCTOBER 31, 1935

	Niagara System	Eastern Ontario System
	Georgian Bay System	Thunder Bay System

ASSETS

INVESTMENTS:

Fixed Assets in Service:

Niagara System.....	\$212,754,797.42	
Georgian Bay System.....	9,133,282.35	
Eastern Ontario System.....	19,877,822.33	
Thunder Bay System.....	18,628,699.86	
Non-System Properties.....	170,365.75	
Service and administrative buildings and equipment.....	3,087,271.24	
		\$263,652,238.95

Fixed Assets under Construction		1,219,212.50
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Preliminary Expenditures:

St. Lawrence River surveys—1925 to 1928	\$ 734,873.31	
Madawaska River power sites, surveys and plans—1929	850,000.00	
Other surveys, engineering and undeveloped power sites.....	484,521.56	
		2,069,394.87

Miscellaneous Investments:

Toronto, Pt. Credit, St. Catharines Radial Rlys.—secured	\$ 1,815,788.20	
The Hamilton Street Rly Co.—capital stock and advances.....	3,262,363.43	
Investment securities	2,402,021.25	
Sale agreements and mortgages.....	1,693,665.90	
		9,173,838.78

\$276,114,685.10

CURRENT AND ACCRUED ASSETS:

Cash in banks	\$ 1,370,219.52	
Special deposits for matured interest unpaid	64,087.71	
Sundry accounts receivable	270,411.66	
Power accounts receivable	3,926,636.89	
Interest receivable	590,885.82	
Rural district loans	77,054.12	
Consumers' and contractors' deposits:		
Special deposits.....	\$ 40,891.51	
Securities—at par value.....	470,900.00	
		511,791.51

6,810,587.23

DEFERRED DEBITS:

Rural Power Districts—rates suspense	\$ 280,455.02	
Maintenance materials and supplies	513,213.96	
Construction materials and supplies	713,817.81	
Construction and maintenance tools and equipment	614,803.79	
Office furniture and equipment	57,359.10	
Prepayments.....	93,623.04	
Work in progress—water heater campaign	629,190.97	
Work in progress—deferred work orders.....	91,002.86	
Unamortized debenture discount.....	64,688.01	
Miscellaneous deferred debits.....	68,764.06	

3,126,918.62

SPECIAL FUNDS:

Reserve Funds:

Investments.....	\$ 37,135,085.69	
*Amount receivable from current assets—per contra.....	322,728.64	
		\$ 37,457,814.33

Employers' Liability Insurance Fund:

Investments.....	\$ 877,846.07	
Deposit with the Workmen's Compensation Board	43,299.25	
*Amount receivable from current assets—per contra.....	2,973.61	
		924,118.93

Pension Fund:

Investments.....	\$ 4,034,097.88	
*Amount receivable from current assets—per contra.....	149,941.57	
		4,184,039.45

Sinking Funds:

Investments.....	\$ 3,641,625.37	
Deposits in the hands of trustees	129,835.27	
*Amount receivable from current assets—per contra.....	1,042,613.98	
		4,814,074.62

47,380,047.33

\$333,432,238.28

Approved by:—

A. MURRAY McCORMON - - - Controller.

T. S. LYON - Chairman of the Commission.

A. W. ROEBUCK - - - - - Commissioner.

T. B. McQUESTEN - - - - - Commissioner.

IN WHICH THE FOLLOWING PROPERTIES ARE INCLUDED:

Local Distribution Systems	Bonnechere River Storage
Rural Power Districts	Service & Administrative Buildings & Equipment

LIABILITIES, RESERVES AND EQUITIES

GRANTS IN AID OF CONSTRUCTION:

Province of Ontario—for Rural Power Districts.....	\$ 9,489,670.71
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LONG-TERM LIABILITIES:

Funded Debt Issued or Assumed.....	\$ 84,371,546.37	
Less—Treasury securities—pledged for bank loan.....	1,200,000.00	
Funded debt in the hands of the public.....	\$ 83,171,546.37	
Less—Hydro-Radial debentures assumed by the Sandwich, Windsor & Amherstburg Rly Co., and the Province of Ontario.....	5,816,205.00	
Less—Debentures issued to finance properties operated for others:		\$ 77,355,341.37
Northern Ontario Properties.....	\$ 17,626,950.00	
Guelph Radial Railway.....	300,000.00	
		17,926,950.00
		\$ 59,428,391.37
Advances from the Province of Ontario.....	\$207,002,750.36	
Less—Advances for Northern Ontario Properties.....	8,198,853.76	
	\$198,803,896.60	
Less—Repayments from sinking funds.....	21,831,698.71	
		176,972,197.89
		236,400,589.26

CURRENT AND ACCRUED LIABILITIES:

Bank of Montreal—demand loans.....	\$ 6,500,000.00	
Less—Amount for Northern Ontario Properties.....	4,500,000.00	
Accounts payable.....	\$ 1,678,872.16	
Less—Amount for Northern Ontario Properties.....	112,027.29	
		1,566,844.87
Matured debenture interest unpaid.....		64,087.71
Matured debentures unpaid.....		4,076.99
Debenture interest accrued.....		823,889.94
Miscellaneous accrued liabilities.....		813,643.74
Power accounts receivable—credit balances.....		90,639.49
Northern Ontario Properties.....		138,445.60
Advances from the Province of Ontario for rural loans.....		80,853.63
Liability for consumers' and contractors' deposits.....		528,675.94
		\$ 6,111,157.91
*Liability to special funds—per contras.....		1,518,257.80
		7,629,415.71

DEFERRED CREDITS:

Rural Power Districts—rates suspense.....	\$ 1,057,683.60	
Rural Power District grants in suspense.....	20,437.39	
Unamortized premium on debentures.....	298,927.20	
Miscellaneous deferred credits.....	26,861.41	
		1,403,909.60

RESERVES:

Renewals reserves.....	\$ 31,134,535.94	
Obsolescence and contingencies reserves.....	6,323,278.39	
		\$ 37,457,814.33
Employers' liability insurance reserve.....		924,118.93
Pension fund reserve.....		4,184,039.45
Fire insurance reserve.....		59,477.97
Miscellaneous reserves.....		761,447.85
		43,386,898.53

EQUITIES OF MUNICIPALITIES AND RURAL POWER DISTRICTS:

Municipalities' and Rural Power Districts' equities, being the accumulated contributions of consumers, including interest accretions, for annual sinking fund appropriations, represented by:		
Funded debt retired through sinking funds.....	\$ 8,475,981.14	
Provincial advances repaid through sinking funds.....	21,831,698.71	
Sinking funds.....	4,814,074.62	
		35,121,754.47
		\$333,432,238.28

Auditors' Certificate

We have examined the Books and Accounts of The Hydro-Electric Power Commission of the Province of Ontario for the year ended the 31st October, 1935, and report that, in conjunction with our Annual Report to the Lieutenant-Governor in Council, in our opinion the above Balance Sheet is properly drawn up so as to exhibit a true and correct view of the state of the Commission's affairs at the 31st October, 1935, according to the best of our information and the explanations given to us and as shown by the books of the Commission. We have obtained all the information and explanations we have required.

The Balance Sheet for the Northern Ontario Properties has not been consolidated in the above figures.

Dated at Toronto Ontario,
30th March, 1936.

OSCAR HUDSON AND CO.,
Chartered Accountants,
Auditors.

**THE HYDRO-ELECTRIC
Operating and Income Accounts**

	Niagara System	Georgian Bay System	Eastern Ontario System	Thunder Bay System
	\$ c.	\$ c.	\$ c.	\$ c.
OPERATING REVENUES: as per cost statement.....	23,364,592.30	1,059,563.67	2,938,706.76	1,433,303.82
OPERATING EXPENSES:				
Power purchased.....	8,232,968.05	39,281.63	849,295.63	
Operation, maintenance and administration expenses.....	4,378,261.93	384,446.80	719,353.15	225,840.86
Renewals provision for the year:				
Principal—as per cost statement.....	1,633,187.66	131,083.26	250,839.49	160,523.21
Interest at 4% on reserves' balances.....	838,634.46	63,496.35	139,525.50	61,688.77
Contributed—Chats Falls.....	11,812.83			
Total provision.....	2,483,634.95	194,579.61	390,364.99	222,211.98
Obsolescence and contingencies provision for the year:				
Principal—as per cost statement.....	133,744.87	44,390.15	86,456.30	1,190.36
Interest at 4% on reserves' balances.....	262,337.40	19,655.35	48,036.70	28,806.55
Contributed—Chats Falls.....	17,318.85			
Total provision.....	413,401.12	64,045.50	134,493.00	29,996.91
Total operating expenses.....	15,508,266.05	682,353.54	2,093,506.77	478,049.75
NET OPERATING INCOME.....	7,856,326.25	377,210.13	845,199.99	955,254.07
NON-OPERATING INCOME:				
Miscellaneous interest income.....	62,547.85	382.48	5,184.51	1,683.05
Income from reserve fund investments.....	1,262,819.49	95,498.29	215,353.36	104,026.65
Income from sinking fund investments.....	125,808.15	7,005.80	8,448.49	8,267.53
Interest during construction.....	2,794.58	47.40	3,486.94	0.92
Miscellaneous non-operating income.....	94,083.86			
Contributions from others.....	66,648.57			
Interest and dividends from subsidiaries.....	169,464.01			
Inter-system interest adjustments.....	87,549.68	8,882.48	84,008.89	18,376.67
Total non-operating income.....	1,871,716.19	111,816.45	316,482.19	132,354.82
GROSS INCOME.....	9,728,042.44	489,026.58	1,161,682.18	1,087,608.89
DEDUCTIONS FROM GROSS INCOME:				
Interest on long-term debt:				
Debentures in the hands of the public.....	2,585,551.45	1,029.58	333.37	
Ontario Government advances.....	7,640,663.29	395,995.24	967,893.92	934,436.30
Repayments of Government advances.....	742,793.08	41,363.43	49,881.35	48,812.92
Amortization of debt discount and expense.....	14,660.40			
Amortization of premium on debt.....	41,072.80			
Miscellaneous interest deductions.....	74,466.44	2,196.99	7,879.58	3,187.98
Total deductions from gross income.....	9,531,475.70	357,858.38	926,225.52	888,811.36
NET INCOME.....	196,566.74	131,168.20	235,456.66	198,797.53
DISPOSITION OF NET INCOME:				
Sinking fund appropriation:				
Principal—as per cost statement.....	1,973,389.31	88,746.21	184,228.67	148,735.40
Interest at 4% on reserves' balances.....	1,102,008.64	42,421.99	51,227.99	50,062.13
Total appropriation.....	3,075,397.95	131,168.20	235,456.66	198,797.53
DEFICIENCY AFTER SINKING FUND APPROPRIATION.....	2,878,831.21			

POWER COMMISSION OF ONTARIO

for the Year Ended October 31, 1935

Non-System Properties	General purposes and service and administrative buildings and equipment	Radial Railways, Toronto Port Credit St. Catharines Toronto and York	Total for power undertakings operated on a "cost basis"	The Hamilton Street Railway Company—a subsidiary of Niagara System	Properties operated for others		Combined total, covering all properties vested in, or operated by, the Commission
					Northern Ontario Properties	Guelph Radial Railway	
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
23,144.94	452,818.77		29,272,130.26	920,402.53	1,684,376.06	62,621.29	31,939,530.14
8,770.05			9,130,315.36		12,089.83		9,142,405.19
3,650.36	361,141.40		6,072,694.50	774,100.74	419,546.01	67,246.14	7,333,587.39
2,233.66	7,938.71		2,185,805.99	8,672.13	215,896.87	512.90	2,410,887.89
283.66	14,745.41		1,118,374.15		24,607.45	1,299.91	1,144,281.51
			11,812.83				11,812.83
2,517.32	22,684.12		3,315,992.97	8,672.13	240,504.32	1,812.81	3,566,982.23
1,116.83			266,898.51		27,199.50		294,098.01
115.83			358,951.83		10,136.89		369,088.72
			17,318.85				17,318.85
1,232.66			643,169.19		37,336.39		680,505.58
16,170.39	383,825.52		19,162,172.02	782,772.87	709,476.55	69,058.95	20,723,480.39
6,974.55	68,993.25		10,109,958.24	137,629.66	974,899.51	6,437.66	11,216,049.75
78.92	96,087.07		165,963.88			308.14	166,272.02
457.71	20,642.72		1,698,798.22		29,317.43	1,846.97	1,729,962.62
46.34	1,985.10		151,561.41			465.51	152,026.92
0.62	14,443.90	80,339.23	101,113.59		5,196.74		106,310.33
			94,083.86				94,083.86
		142,500.00	209,148.57				209,148.57
	31,834.35		137,629.66	137,629.66			
548.90	95,595.03	23,695.45	78,978.34		71,770.96		7,207.38
34.69	5,729.41	199,143.78	2,637,277.53	137,629.66	37,256.79	2,620.62	2,465,011.70
7,009.24	74,722.66	199,143.78	12,747,235.77		937,642.72	3,817.04	13,681,061.45
		142,500.00	2,729,414.40		617,647.53	15,000.00	3,362,061.93
4,220.43	81,401.50	36,496.58	10,061,107.26		369,888.41		10,430,995.67
273.61	11,720.34		894,844.73				894,844.73
			14,660.40				14,660.40
			41,072.80			235.99	41,308.79
420.07	8,847.19	20,147.20	117,145.45		2,896.52		120,041.97
4,366.89	78,528.35	199,143.78	11,986,409.98		990,432.46	14,764.01	12,991,606.45
2,642.35	3,805.69		760,825.79		52,789.74	18,581.05	689,455.00
2,361.73	16,709.26		2,414,170.58		335,264.83	3,159.00	2,752,594.41
280.62	12,020.27		1,258,021.64			465.51	1,258,487.15
2,642.35	28,729.53		3,672,192.22		335,264.83	3,624.51	4,011,081.56
	32,535.22		2,911,366.43		388,054.57	22,205.56	3,321,626.56

THE HYDRO-ELECTRIC POWER
Summarization of Cost Distributions

	Cost of power purchased	Operation maintenance and administration expenses	Net financial expenses and direct interest credits to reserves	Renewals provision
	\$ c.	\$ c.	\$ c.	\$ c.
NIAGARA SYSTEM:				
Municipalities.....	5,862,002.07	2,746,353.77	6,922,536.16	997,619.73
Rural power districts.....	256,889.06	168,528.72	356,219.72	63,546.59
Companies.....	2,066,427.07	909,277.95	2,237,911.35	287,876.66
Local distribution systems.....	47,649.85	79,978.66	74,087.66	16,654.95
Operation of power plants, transmission lines and transformer stations.....	8,232,968.05	3,904,139.10	9,590,754.89	1,365,697.93
Rural operating.....	851,952.21	474,122.83	300,271.00	267,088.56
Intra-system eliminations.....	851,952.21			
Operating account—power undertakings.....	8,232,968.05	4,378,261.93	9,891,025.89	1,632,786.49
Rural lines operated by municipalities.....			845.80	401.17
	8,232,968.05	4,378,261.93	9,891,871.69	1,633,187.66
GEORGIAN BAY SYSTEM:				
Municipalities.....	29,561.36	266,021.73	263,358.44	76,980.82
Rural power districts.....	6,413.30	35,141.81	38,077.55	11,683.83
Companies and distributing systems.....	3,306.97	30,012.51	31,305.06	9,526.12
Operation of power plants, transmission lines and transformer stations.....	39,281.63	331,176.05	332,741.05	98,190.77
Rural operating.....	104,670.13	53,270.75	38,720.58	32,836.34
Intra-system eliminations.....	104,670.13			
Operating account—power undertakings.....	39,281.63	384,446.80	371,461.63	131,027.11
Rural lines operated by municipalities.....			153.99	56.15
	39,281.63	384,446.80	371,615.62	131,083.26
EASTERN ONTARIO SYSTEM:				
Municipalities.....	618,439.85	339,162.28	447,118.98	106,998.59
Rural power districts.....	46,179.44	36,033.48	51,630.84	13,820.73
Companies.....	172,063.19	168,693.39	252,600.66	57,600.42
Local electric distribution systems.....	2,272.08	8,066.77	6,179.24	2,028.54
Local gas distribution system.....		16,440.78	1,190.01	
Pulp mill.....	10,341.07	34,433.93	12,405.35	2,799.98
Operation of power plants, transmission lines and transformer stations.....	849,295.63	602,830.63	771,125.08	183,248.26
Rural operating.....	175,110.10	116,522.52	77,408.44	67,591.23
Intra-system eliminations.....	175,110.10			
Operating account—power undertakings.....	849,295.63	719,353.15	848,533.52	250,839.49
THUNDER BAY SYSTEM:				
Municipalities.....		162,638.10	646,078.46	116,616.04
Rural power districts.....		1,187.83	2,362.64	458.99
Companies.....		58,525.62	245,683.71	41,067.46
Operation of power plants, transmission lines and transformer stations.....		222,351.55	894,124.81	158,142.49
Rural operating.....	4,168.52	3,489.31	2,889.18	2,380.72
Intra-system eliminations.....	4,168.52			
Operating account—power undertakings.....		225,840.86	897,013.99	160,523.21
NON-SYSTEM PROPERTIES:				
Bonnechere River storage—Round Lake dam.....		107.78	2,330.18	
Nipissing rural power district.....	5,020.05	2,170.46	1,098.62	944.76
Manitoulin rural power district.....	3,750.00	1,372.12	1,583.51	1,288.90
	8,770.05	3,650.36	5,012.31	2,233.66
SUNDRY OPERATIONS:				
Service buildings and equipment.....		399,492.93	19,795.22	3,639.54
Administrative office building.....		114,390.30	47,935.05	4,299.17
Terminal building, Hamilton.....		26,831.93	31,834.35	
Inter-departmental charges.....		179,573.76		
		361,141.40	99,564.62	7,938.71
	9,130,315.36	6,072,694.50	12,113,611.75	2,185,805.99

COMMISSION OF ONTARIO

for the Year Ended October 31, 1935

Obsolescence and contingencies provision	Sinking fund appropriation	Total amount authorized to be charged for power (Section 56)	Amounts received from (or billed against) consumers by the Commission	Amounts remaining to be credited or charged to municipalities and rural power districts		Total operating revenues	Deficiency (or surplus) after sinking fund appropriation
				Credited	Charged		
\$	c.	\$	c.	\$	c.	\$	c.
.....	1,369,167.18	17,897,678.91	16,297,159.27	151,720.66	249,151.80	16,394,590.41	1,503,088.50
.....	72,637.62	917,821.71	851,952.21	.....	.....	851,952.21	65,869.50
.....	449,193.93	5,950,686.96	4,647,981.44	.....	.....	4,647,981.44	1,302,705.52
.....	10,791.06	229,162.18	221,994.49	.....	.....	221,994.49	7,167.69
.....	1,901,789.79	24,995,349.76	22,019,087.41	151,720.66	249,151.80	22,116,518.55	2,878,831.21
133,544.28	71,238.47	2,098,217.35	2,123,547.16	89,605.14	64,275.33	2,098,217.35	.....
.....	.....	851,952.21	851,952.21	.....	.....	851,952.21	.....
133,544.28	1,973,028.26	26,241,614.90	23,290,682.36	241,325.80	313,427.13	23,362,783.69	2,878,831.21
200.59	361.05	1,808.61	1,808.61	.....	.....	1,808.61	.....
133,744.87	1,973,389.31	26,243,423.51	23,292,490.97	241,325.80	313,427.13	23,364,592.30	2,878,831.21
21,678.36	63,112.81	720,713.52	824,099.65	96,940.48	1,616.63	728,775.80	8,062.28
3,205.44	9,076.10	103,598.03	104,670.13	.....	.....	104,670.13	1,072.10
3,060.11	7,380.45	84,591.22	75,456.84	.....	.....	75,456.84	9,134.38
27,943.91	79,569.36	908,902.77	1,004,226.62	96,940.48	1,616.63	908,902.77	.....
16,418.17	9,126.31	255,042.28	255,141.45	14,531.28	14,432.11	255,042.28	.....
.....	.....	104,670.13	104,670.13	.....	.....	104,670.13	.....
44,362.08	88,695.67	1,059,274.92	1,154,697.94	111,471.76	16,048.74	1,059,274.92	.....
28.07	50.54	288.75	288.75	.....	.....	288.75	.....
44,390.15	88,746.21	1,059,563.67	1,154,986.69	111,471.76	16,048.74	1,059,563.67	.....
33,363.53	100,216.47	1,645,299.70	1,998,698.84	241,382.83	51.52	1,757,367.53	112,067.83
4,019.75	11,691.01	163,375.25	175,110.10	.....	.....	175,110.10	11,734.85
14,335.52	51,146.99	716,440.17	617,971.36	.....	.....	617,971.36	98,468.81
268.72	844.76	19,660.11	24,727.23	.....	.....	24,727.23	5,067.12
.....	.....	17,630.79	15,705.42	.....	.....	15,705.42	1,925.37
695.49	2,209.32	62,885.14	34,409.52	.....	.....	34,409.52	28,475.62
52,683.01	166,108.55	2,625,291.16	2,866,622.47	241,382.83	51.52	2,625,291.16	.....
33,773.29	18,120.12	488,525.70	491,418.30	18,935.31	16,042.71	488,525.70	.....
.....	.....	175,110.10	175,110.10	.....	.....	175,110.10	.....
86,456.30	184,228.67	2,938,706.76	3,182,930.67	260,318.14	16,094.23	2,938,706.76	.....
.....	100,004.40	1,025,337.00	960,605.24	3,980.97	78.87	956,703.14	68,633.86
.....	380.84	4,390.30	4,168.52	.....	.....	4,168.52	221.78
.....	47,723.44	393,000.23	461,855.87	.....	.....	461,855.87	68,855.64
.....	148,108.68	1,422,727.53	1,426,629.63	3,980.97	78.87	1,422,727.53	.....
1,190.36	626.72	14,744.81	13,612.96	663.09	1,794.94	14,744.81	.....
.....	.....	4,168.52	4,168.52	.....	.....	4,168.52	.....
1,190.36	148,735.40	1,433,303.82	1,436,074.07	4,644.06	1,873.81	1,433,303.82	.....
.....	1,738.94	4,176.90	4,176.90	.....	.....	4,176.90	.....
472.38	252.63	9,958.90	10,706.79	747.89	.....	9,958.90	.....
644.45	370.16	9,009.14	8,382.18	.....	626.96	9,009.14	.....
1,116.83	2,361.73	23,144.94	23,265.87	747.89	626.96	23,144.94	.....
.....	5,593.03	428,520.72	428,365.34	.....	.....	428,365.34	155.38
.....	11,116.23	177,740.75	165,022.87	.....	.....	165,022.87	12,717.88
.....	.....	58,666.28	26,131.06	.....	.....	26,131.06	32,535.22
.....	.....	179,573.76	166,700.50	.....	.....	166,700.50	12,873.26
.....	16,709.26	485,353.99	452,818.77	.....	.....	452,818.77	32,535.22
266,898.51	2,414,170.58	32,183,496.69	29,542,567.04	618,507.65	348,070.87	29,272,130.26	2,911,366.43

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Fixed Assets—October 31, 1935

NIAGARA SYSTEM

	Net capital expendi- tures for the year	Fixed Assets under Construction	Fixed Assets in Service			
			Water rights and intan- gible items	Physical property		Total
				Non- depreciable	Depreciable	
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Power Plants						
Niagara River:						
Queenst'n-Chippawa	22,846.53			48,051,352.56	28,805,016.59	76,856,369.15
Ontario Power Co.....	748.68		7,281,270.44		14,750,902.08	22,032,172.52
Toronto Power Co.....	556.97		3,683,475.94	140,035.66	7,697,945.93	11,521,457.53
Ottawa River:						
Chats Falls H-E.P.C.						
50% share.....	34,165.45			262,783.19	5,170,448.29	5,433,231.48
H-E.P.C. lands, etc.	803,671.86	895,909.82		645,249.04	60,576.22	705,825.26
Welland Canal:						
DeCew Falls.....	*368,681.70		*8,178,518.87	165,785.00	3,347,591.05	11,691,894.92
Hamilton steam plant				501,611.42		501,611.42
	1,182,366.83	895,909.82	19,143,265.25	49,766,816.87	59,832,480.16	128,742,562.28
Transformer Stations						
Southern Ontario.....	41,752.34	10,934.40			26,495,091.12	26,495,091.12
Eastern-Chats Falls....	34,630.77	81,407.34			8,817,742.22	8,817,742.22
	76,383.11	92,341.74			35,312,833.34	35,312,833.34
Transmission Lines						
Southern Ontario:						
Right-of-way.....	11,704.86			6,892,467.31		6,892,467.31
Lines.....	133,015.34	33,635.53			18,551,570.09	18,551,570.09
Eastern-Chats Falls:						
Right-of-way.....	63,153.85			1,633,345.10		1,633,345.10
Lines.....	21,931.11	25,262.97			7,476,355.22	7,476,355.22
	185,942.94	58,898.50		8,525,812.41	26,027,925.31	34,553,737.72
Local Systems						
Niagara Peninsula and Dundas areas....	4,973.07				243,778.98	243,778.98
Sub-total.....	1,449,665.95	1,047,150.06	19,143,265.25	58,292,629.28	121,417,017.79	198,852,912.32
Rural Power Districts						
H-E.P.C. investment	265,931.84	15,209.74			6,888,546.24	6,888,546.24
Government grants.....	268,660.83	15,152.72			6,805,812.58	6,805,812.58
	534,592.67	30,362.46			13,694,358.82	13,694,358.82
Rural Lines						
Welland and Milton....	0.90				20,058.42	20,058.42
Lincoln Electric						
St. Catharines System	40.00				187,467.86	187,467.86
	1,984,219.52	1,077,512.52	19,143,265.25	58,292,629.28	135,318,902.89	212,754,797.42

*Includes a book adjustment of \$350,000.00 on account of loss on sale of Highway King Coach Lines.

	Cost statements	Transfers for cost purposes	Fixed Assets (as above)
	\$ c.	\$ c.	\$ c.
Cost of Power schedules.....	198,807,662.41	45,249.91	198,852,912.32
Rural Operating schedules.....	6,933,796.15	45,249.91	6,888,546.24
Rural Lines schedule.....	20,058.42		20,058.42

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Fixed Assets—October 31, 1935

GEORGIAN BAY SYSTEM

	Net capital expendi- tures for the year	Fixed Assets under Construc- tion	Fixed Assets in Service			
			Water rights and intangible items	Physical property		Total
				Non- depreciable	Depreciable	
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Power Plants						
Musquash River:						
Bala No. 1 & 2 Plants.....	156.55		39,929.64	1,810.00	50,440.70	92,180.34
Severn River:						
Wasdells.....			15,202.32		132,033.25	147,235.57
Big Chute.....	64.40	41.29	123,590.48		548,685.62	672,276.10
Beaver River:						
Eugenia.....	4,008.77	841.14		139,891.41	1,065,374.49	1,205,265.90
Saugeen River:						
Hanover & Maple Hill	34.70			16,000.00	29,882.55	45,882.55
Walkerton.....	577.45		97,721.83		115,759.03	213,480.86
Southampton.....	221.93		69,739.07		74,447.30	144,186.37
Muskoka River:						
South Falls.....	435.41		17,365.93		436,999.40	454,365.33
Trethewey Falls.....	118.88			51,475.13	305,516.82	356,991.95
Hanna Chute.....				36,120.82	207,624.55	243,745.37
Hollow Lake dam.....				16,555.34	29,540.16	46,095.50
	2,712.55	882.43	363,549.27	261,852.70	2,996,303.87	3,621,705.84
Transformer Stations.....	671.83	610.13			1,156,128.48	1,156,128.48
Transmission Lines.....	20,116.11	1,174.75			2,563,829.50	2,563,829.50
Local Systems.....	2,671.01				83,749.81	83,749.81
Sub-total.....	14,060.72	2,667.31	363,549.27	261,852.70	6,800,011.66	7,425,413.63
Rural Power Districts						
H-E.P.C. investment.....	64,984.75	4,264.87			894,384.47	894,384.47
Government grants.....	58,944.11	4,264.86			810,676.82	810,676.82
	123,928.86	8,529.73			1,705,061.29	1,705,061.29
Rural Lines						
Brechin & Flesherton.....					2,807.43	2,807.43
	109,868.14	11,197.04	363,549.27	261,852.70	8,507,880.38	9,133,282.35

	Cost statements	Transfers for cost purposes	Preliminary Expenditures	Fixed Assets (as above)
	\$ c.	\$ c.	\$ c.	\$ c.
Cost of Power schedules.....	7,563,079.05	10,998.67	148,664.09	7,425,413.63
Rural Operating schedules.....	905,383.14	10,998.67		894,384.47
Rural Lines schedule.....	2,807.43			2,807.43

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Fixed Assets—October 31, 1935

EASTERN ONTARIO SYSTEM

	Net capital expendi- tures for the year	Fixed Assets under Construc- tion	Fixed Assets in Service				Total
			Water rights and intangible items	Physical property			
				Non- depre- ciable	Depreciable		
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	
Power Plants							
Fenelon River:							
Fenelon Falls.....	50.00		60,000.00		84,974.33	144,974.33	
Otonabee River:							
Auburn.....	2,794.10		31,400.00		286,875.92	318,275.92	
Trent River:							
Heely Falls.....	1.34				1,186,844.43	1,186,844.43	
Seymour.....	263.00				299,745.74	299,745.74	
Ranney Falls.....	250.41				1,339,156.92	1,339,156.92	
Hagues Reach.....	8,697.51				573,744.30	573,744.30	
Meyersburg.....	3,967.76				836,863.47	836,863.47	
Frankford.....	10.25				252,083.13	252,083.13	
Sydney.....	560.56	62.11			251,840.78	251,840.78	
Misc. equipment.....	20.00				46,504.47	46,504.47	
Mississippi River:							
High Falls.....				11,988.84	685,488.80	697,477.64	
Carleton Place.....				9,054.06	49,847.10	58,901.16	
Intangibles.....		7.00	2,315,727.98			2,315,727.98	
Galetta.....	29,859.04			20,000.00	76,657.18	96,657.18	
Madawaska River:							
Calabogie.....	38,083.78			79,991.00	660,152.02	740,143.02	
Storage dams.....				2,555.00	12,855.82	15,410.82	
	23,194.55	69.11	2,407,127.98	123,588.90	6,643,634.41	9,174,351.29	
Transformer Stations.....	40,509.46	15,443.23			2,646,511.39	2,646,511.39	
Transmission Lines.....	123,070.94	92,480.66		164,335.43	4,122,708.63	4,287,044.06	
Local and Rural Systems.....	2,463.16				202,952.27	202,952.27	
Miscellaneous							
Campbellford Pulp Mill.....					52,559.93	52,559.93	
Cobourg Gas Works.....	21.73				26,487.86	26,487.86	
	21.73				79,047.79	79,047.79	
Sub-total.....	142,870.74	107,993.00	2,407,127.98	287,924.33	13,694,854.49	16,389,906.80	
Rural Power Districts							
H-E.P.C. investment.....	102,041.92	10,872.93			1,761,417.10	1,761,417.10	
Government grants.....	101,630.78	10,872.93			1,726,498.43	1,726,498.43	
	203,672.70	21,745.86			3,487,915.53	3,487,915.53	
	346,543.44	129,738.86	2,407,127.98	287,924.33	17,182,770.02	19,877,822.33	

	Cost statements	Transfers for cost purposes	Miscellaneous Investments	Preliminary Expenditures	Fixed Assets (as above)
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Cost of Power schedules.....	17,308,764.09	25,945.82	6,375.00	938,428.11	16,389,906.80
Rural Operating schedules.....	1,787,362.92	25,945.82			1,761,417.10

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Fixed Assets—October 31, 1935

THUNDER BAY SYSTEM

	Net capital expendi- tures for the year	Fixed Assets under Construc- tion	Fixed Assets in Service			
			Water rights and intangible items	Physical property		Total
				Non- depre- ciable	Depreciable	
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Power Plants						
Nipigon River:						
Cameron Falls.....	9,166.81			236,600.51	8,786,984.89	9,023,585.40
Alexander.....	3,544.58	547.50		76,898.44	5,374,585.63	5,451,484.07
Virgin Falls dam.....				55,450.41	426,736.74	482,187.15
Deficit 1921-23.....			620,818.33			620,818.33
	12,711.39	547.50	620,818.33	368,949.36	14,588,307.26	15,578,074.95
Transformer Stations.....	1,096.36	203.21			1,012,368.12	1,012,368.12
Transmission Lines.....	79.08			213,193.71	1,704,310.54	1,917,504.25
Sub-total.....	11,535.95	750.71	620,818.33	582,143.07	17,304,985.92	18,507,947.32
Rural Power Districts						
H-E.P.C. investment.....	1,807.35				60,376.27	60,376.27
Government grants.....	1,807.35				60,376.27	60,376.27
	3,614.70				120,752.54	120,752.54
	7,921.25	750.71	620,818.33	582,143.07	17,425,738.46	18,628,699.86

	Cost statements	Preliminary Expenditures	Fixed Assets (as above)
	\$ c.	\$ c.	\$ c.
Cost of Power schedules.....	18,608,755.15	100,807.83	18,507,947.32
Rural Operating schedules.....	60,376.27		60,376.27

SERVICE & ADMINISTRATIVE BUILDINGS & EQUIPMENT

	Net capital expendi- tures for the year	Fixed Assets under Construc- tion	Fixed Assets in Service			
			Water rights and intangible items	Physical property		Total
				Non- depreciable	Depreciable	
	\$ c.			\$ c.	\$ c.	\$ c.
Administrative Buildings						
Toronto:						
University Avenue.....	840,923.87			195,837.00	1,448,871.80	1,644,708.80
Elm & Centre Streets.....				160,821.95		160,821.95
	840,923.87			356,658.95	1,448,871.80	1,805,530.75
Service Buildings and Equipment						
Toronto.....	3,731.99				510,111.41	510,111.41
Cobourg.....					21,629.08	21,629.08
Hamilton.....				441,439.88	308,560.12	750,000.00
	3,731.99			441,439.88	840,300.61	1,281,740.49
	837,191.88			798,098.83	2,289,172.41	3,087,271.24

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Fixed Assets—October 31, 1935

NON-SYSTEM PROPERTIES

	Net capital expendi- tures for the year	Fixed Assets under Construc- tion	Fixed Assets in Service			
			Water rights and intangible items	Physical property		Total
				Non- depre- ciable	Depreciable	
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Bonnechere River Storage						
Round Lake dam.....	40.00				23,185.58	23,185.58
Deficit 1917-31.....			28,556.30			28,556.30
	40.00		28,556.30		23,185.58	51,741.88
Nipissing Rural Power District						
H-E.P.C. investment.....	4,554.19	6.69			27,298.71	27,298.71
Government grants.....	4,554.20	6.68			26,554.98	26,554.98
	9,108.39	13.37			53,853.69	53,853.69
Manitoulin Rural Power District						
Transformer station.....					5,098.11	5,098.11
Transmission lines.....	157.12				30,217.63	30,217.63
	157.12				35,315.74	35,315.74
Government grants.....	6.11				29,454.44	29,454.44
	163.23				64,770.18	64,770.18
	8,905.16	13.37	28,556.30		141,809.45	170,365.75

SUMMARY

	Net capital expenditures for the year	Fixed Assets under Construction	Fixed Assets in Service			
			Water rights and intangible items	Physical property		Total
				Non-depreciable	Depreciable	
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Niagara System	1,984,219.52	1,077,512.52	19,143,265.25	58,292,629.28	135,318,902.89	212,754,797.42
Thunder Bay System.....	7,921.25	750.71	620,818.33	582,143.07	17,425,738.46	18,628,699.86
Georgian Bay System.....	109,868.14	11,197.04	363,549.27	261,852.70	8,507,880.38	9,133,282.35
Eastern Ontario System.....	346,543.44	129,738.86	2,407,127.98	287,924.33	17,182,770.02	19,877,822.33
Non-System Properties.....	8,905.16	13.37	28,556.30	.....	141,809.45	170,365.75
Service and administrative buildings and equipment.....	837,191.88	.....	.....	798,098.83	2,289,172.41	3,087,271.24
	3,278,806.89	1,219,212.50	22,563,317.13	60,222,648.21	180,866,273.61	263,652,238.95

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

CAPITAL EXPENDITURES AND GRANTS—RURAL POWER DISTRICTS

Summary at October 31, 1935.

Statement showing the extents to which Grants stand Authorized by Orders-in-Council under the Rural Hydro-Electric Distribution Act, and the amounts of such Grants Paid over by the Province to the Commission under such authorization up to October 31, 1935; also the total Capital Expenditures on the construction of Primary and Secondary Lines in Rural Power Districts and the amounts of the Grants (fifty per cent of both Primary and Secondary Lines) claimed from the Province of Ontario up to October 31, 1935.

System	Grants authorized by Orders-in-Council	Amounts paid by Province under such authorizations	Total capital expenditures on Rural Power Districts	*Grants claimed from the Province (50% of primary and secondary lines)
	\$ c.	\$ c.	\$ c.	\$ c.
Niagara System.....	7,886,846.94	6,819,990.39	13,724,721.28	6,820,965.30
Georgian Bay System.....	952,517.49	814,810.71	1,713,591.02	814,941.68
Eastern Ontario System, including Ottawa and Madawaska Districts..	2,025,804.65	1,737,053.68	3,509,661.39	1,737,371.36
Thunder Bay System.....	74,007.00	60,376.27	120,752.54	60,376.27
Non-System Properties:				
Nipissing.....	29,687.50	26,561.66	53,867.06	26,561.66
Manitoulin.....	32,289.00	29,454.44	59,672.07	29,454.44
Totals.....	11,001,152.58	9,488,247.15	19,182,265.36	9,489,670.71
Additional sum authorized by above Orders-in-Council and paid over to the Commission but not allocated as between rural power districts....		21,860.95		
	11,001,152.58	9,510,108.10	19,182,265.36	9,489,670.71

*Grants not made by Province in respect of a summer resort, street lighting systems in 66 districts, service buildings in 2 districts and amounts paid for business already established (hereinafter called Intangible Assets) in 9 rural distribution systems purchased from private companies.

NOTE—

The amount of cash paid over by the Province to the Commission up to October 31, 1935, on account of authorized grants to rural power districts—as above set out—amounts to..... \$9,510,108.10

The Grants claimed from the Province—as above set out—in respect of rural power districts as at October 31, 1935, amount in the aggregate to..... 9,489,670.71
A balance of..... \$20,437.39

Which balance represents:

(A) Grant funds in the hands of the Commission at October 31, 1935, not allocated but to apply against the construction of authorized rural power districts and extension to existing districts..... \$ 21,860.95

Less:

(B) Grants (or balance thereof) payable by the Province to the Commission in respect of certain rural power districts completed, or under construction..... 1,423.56
\$20,437.39

THE HYDRO-ELECTRIC POWER

Power Accounts Receivable

System or Property	Wholesale power consumers			
	Interim power bills	Accumulated amount standing as a charge or credit on October 31, 1935		Net total for wholesale consumers
		Charge	Credit	
	\$ c.	\$ c.	\$ c.	\$ c.
NIAGARA SYSTEM:				
Municipalities.....	1,672,442.64	283,505.82	155,422.47	1,800,525.99
Companies.....	1,165,062.51			1,165,062.51
Local and rural.....				
Lincoln Electric.....				
	2,837,505.15	283,505.82	155,422.47	2,965,588.50
GEORGIAN BAY SYSTEM:				
Municipalities.....	104,243.92	1,537.58	104,729.93	1,051.57
Companies.....	3,744.93			3,744.93
Local and rural.....				
	107,988.85	1,537.58	104,729.93	4,796.50
EASTERN ONTARIO SYSTEM:				
Municipalities.....	225,248.20	50.69	246,095.11	20,796.22
Companies.....	60,698.34			60,698.34
Rural.....				
Local.....				
	285,946.54	50.69	246,095.11	39,902.12
THUNDER BAY SYSTEM:				
Municipalities.....	83,737.20	446.00	2,916.20	81,267.00
Companies.....	39,247.53			39,247.53
Rural.....				
	122,984.73	446.00	2,916.20	120,514.53
NON-SYSTEM PROPERTIES:				
Nipissing rural.....				
Manitoulin rural.....				
Grand total.....	3,354,425.27	285,540.09	509,163.71	3,130,801.65

COMMISSION OF ONTARIO

—October 31, 1935

Retail power consumers— Local and rural districts	Net total of power accounts receivable	Balance sheet figures		Debit balances three months or more overdue
		Debit balances	Credit balances	
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	1,800,525.99	1,815,405.80	14,879.81	153.88
.....	1,165,062.51	1,165,106.80	44.29	*731,046.34
470,943.65	470,943.65	470,943.65	.....	57,038.90
7,346.14	7,346.14	7,346.14	.....	421.56
478,289.79	3,443,878.29	3,458,802.39	14,924.10	788,660.68
.....	1,051.57	27,632.13	26,580.56	1,630.50
.....	3,744.93	3,744.93	.....	7,218.25
71,957.08	71,957.08	71,957.08	.....	.....
71,957.08	76,753.58	103,334.14	26,580.56	8,848.75
.....	20,796.22	28,281.29	49,077.51	.....
.....	60,698.34	60,698.34	.....	.....
135,594.10	135,594.10	135,594.10	.....	12,860.61
10,316.83	10,316.83	10,316.83	.....	631.30
145,910.93	185,813.05	234,890.56	49,077.51	13,491.91
.....	81,267.00	81,324.32	57.32	.....
.....	39,247.53	39,247.53	.....	.....
3,816.75	3,816.75	3,816.75	.....	1,367.85
3,816.75	124,331.28	124,388.60	57.32	1,367.85
1,939.03	1,939.03	1,939.03	.....	98.06
3,282.17	3,282.17	3,282.17	.....	.....
5,221.20	5,221.20	5,221.20	.....	98.06
705,195.75	3,835,997.40	3,926,636.89	90,639.49	812,467.25

*Items included in the amount of \$731,046.34—Niagara System, Companies, overdue accounts
—presently under settlement negotiations:

Department of Railways and Canals, Ottawa.....	\$468,027.21
Maple Leaf Milling Company Limited.....	190,336.07
Canadian Aggregates Limited.....	72,068.27
	<u>\$730,431.55</u>

THE HYDRO-ELECTRIC POWER

Funded Debt Issued or

Description	Application of proceeds
NIAGARA SYSTEM:	
5% H.E.P.C. debentures.....	Dom. Power & Trans. Co.
4½% " "	Toronto Power Co.
5% " "	Toronto Power Co. issue.....
6% " "	Toronto Power Co.
6% " "	Toronto Power Co.
6% " "	T. & Y. R.R. Equipment
6% " "	Ontario Power Co. issue.....
3½% " "	Ontario Power Co.
5% Ontario Power Co. bonds.....	Refunding D. P. & T. Co., etc.
5% Ontario Transmission Co. bonds.....	Ontario Power Co.
5% H.E.P.C. debentures Ontario Power Co. issue.....	Ontario Trans Co.
4% " "	Ontario Power Co.
4% " "	Essex County Lt. & Pr. issue.....
4% " "	Essex System
4¾% " "	James Battle issue.....
	Thorold System
	Dom. Power & Trans. Co.
Municipal debentures assumed.....	Rural Lines
GEORGIAN BAY SYSTEM:	
Gravenhurst debentures assumed.....	Muskoka Power
Brock Twp. " "	Rural Lines
EASTERN ONTARIO SYSTEM:	
Municipal debentures assumed.....	Rural Lines
RADIAL RAILWAYS:	
6% H.E. Railway bonds.....	T. & Y. Radial
<u>Funded debt as shown on the balance sheet of The</u>	
<u>Hydro-Electric Power Commission of Ontario.</u>	
NORTHERN ONTARIO PROPERTIES:	
3½/4/5% H.E.P.C. debentures.....	Ontario Power Serv. Corp.
GUELPH RADIAL RAILWAY:	
5% H.E. Rly bonds.....	Extensions and Betterments
<u>Funded debt relating to all properties vested in, or</u>	
<u>operated by the Commission</u>	
HYDRO-RADIAL DEBENTURES ASSUMED BY S. W. & A. RLY.	
CO. AND THE PROVINCE OF ONTARIO:	
5% H.E. Rly. bonds.....	Essex County Rly.
5% " " "	" " "
5% " " "	" " "
5% " " "	" " "
4½% " " "	" " "
6% " " "	" " "
<u>Total funded debt in the hands of the public</u>	
TREASURY SECURITIES PLEDGED WITH BANK OF MONTREAL:	
5% H.E. Rly. bonds.....	Pt. C. & St. C. Radial
<u>Total funded debt issued or assumed</u>	
Guaranteed by the Province of Ontario.....	
Unguaranteed.....	

COMMISSION OF ONTARIO

Assumed—October 31, 1935

Date of issue	Date of maturity	Principal outstanding October 31, 1935	Interest for the year 1934-35	Interest accrued October 31, 1935
		\$ c.	\$ c.	\$ c.
January 1, 1930	January 1, 1935	8,000,000.00	66,302.00	.....
February 1, 1933	February 1, 1938	9,000,000.00	405,277.40	101,250.00
June 16, 1924	June 15, 1939	4,000,000.00	200,000.00	75,000.00
December 1, 1920	December 1, 1940	413,200.00	24,792.00	10,330.00
December 1, 1920	December 1, 1940	205,800.00	12,348.00	5,145.00
June 24, 1921	June 24, 1941	3,200,000.00	192,001.37	67,857.53
January 1, 1935	January 1, 1943	10,000,000.00	290,707.76	116,666.66
February 1, 1903	February 1, 1943	7,680,000.00	381,463.02	96,000.00
May 1, 1905	May 1, 1945	1,221,000.00	62,232.38	.....
August 1, 1917	August 1, 1957	8,000,000.00	320,000.00	80,000.00
June 1, 1918	June 1, 1958	200,000.00	8,000.00	3,333.34
December 1, 1918	December 1, 1958	100,000.00	4,000.00	1,666.67
January 1, 1930	January 1, 1970	13,000,000.00	616,938.33	205,833.33
		57,020,000.00	2,584,062.26	763,082.53
Various	Various	16,744.73	1,489.19	763.21
		57,036,744.73	2,585,551.45	763,845.74
Various	Various	10,597.19	978.98	421.80
Various	Various	762.62	50.60	2.30
		11,359.81	1,029.58	424.10
Various	Various	5,286.83	333.37	245.10
December 1, 1920	December 1, 1940	2,375,000.00	142,500.00	59,375.00
		59,428,391.37	2,729,414.40	823,889.94
October 1, 1932	October 1, 1952	17,626,950.00	617,647.53	51,411.94
May 1, 1931	November 1, 1970	300,000.00	15,000.00	.....
		77,355,341.37	3,362,061.93	875,301.88
September 1, 1923	September 1, 1943	966,205.00	.....	.....
July 1, 1925	July 1, 1945	750,000.00	.....	.....
September 1, 1925	September 1, 1945	100,000.00	.....	.....
July 15, 1926	July 15, 1946	1,000,000.00	.....	.....
April 1, 1920	April 1, 1960	2,100,000.00	.....	.....
July 1, 1921	July 1, 1961	900,000.00	.....	.....
		5,816,205.00	.....	.....
		83,171,546.37	3,362,061.93	875,301.88
November 1, 1919	November 1, 1969	1,200,000.00	.....	.....
		84,371,546.37	3,362,061.93	875,301.88
		84,338,155.00	3,359,209.79	873,869.47
		33,391.37	2,852.14	1,432.41
		84,371,546.37	3,362,061.93	875,301.88

THE HYDRO-ELECTRIC POWER

Renewals Reserves—

	Niagara System	Georgian Bay System
Balances at November 1, 1934	\$ c. 20,971,390.61	\$ c. 1,593,426.02
Adjustments—prior years	3,407.11	6,017.16
	20,967,983.50	1,587,408.86
Renewals provisions for the year:		
Principal—as per cost statement	1,633,187.66	131,083.26
Interest at 4% on reserves' balances	838,634.46	63,496.35
Contributed—Chats Falls	11,812.83	
Total provision	2,483,634.95	194,579.61
Adjustments re transfers of equipment	1,305.32	1,099.58
Sub-total	23,452,923.77	1,783,088.05
Expenditures for the year	173,960.64	19,423.74
Balances at October 31, 1935	23,278,963.13	1,763,664.31
Account balances:		
Power plants, transmission lines and transformer stations	20,934,188.70	1,561,238.67
Rural power districts	2,340,151.19	201,751.74
Rural lines	4,623.24	673.90
Nipissing rural power district		
Manitoulin rural power district		
Administrative office building		
Service buildings and equipment		
	23,278,963.13	1,763,664.31

COMMISSION OF ONTARIO

October 31, 1935

Eastern Ontario System	Thunder Bay System	Non-System Properties	Service and administrative buildings and equipment	Total for power undertakings operated on a "cost basis"
\$ c. 3,490,857.20 2,719.72	\$ c. 1,542,219.32	\$ c. 8,199.83 1,108.28	\$ c. 450,428.50	\$ c. 28,056,521.48 13,252.27
3,488,137.48	1,542,219.32	7,091.55	450,428.50	28,043,269.21
250,839.49 139,525.50	160,523.21 61,688.77	2,233.66 283.66	7,938.71 14,745.41	2,185,805.99 1,118,374.15 11,812.83
390,364.99	222,211.98	2,517.32	22,684.12	3,315,992.97
22.85	.....	.....	.....	2,427.75
3,878,525.32	1,764,431.30	9,608.87	473,112.62	31,361,689.93
28,048.08	599.81	28.14	5,093.58	227,153.99
3,850,477.24	1,763,831.49	9,580.73	468,019.04	31,134,535.94
3,431,375.76 419,101.48	1,753,219.31 10,612.18 ..... ..... ..... ..... .....	..... ..... ..... 5,928.94 3,651.79 ..... .....	..... ..... ..... ..... 130,775.70 337,243.34	27,680,022.44 2,971,616.59 5,297.14 5,928.94 3,651.79 130,775.70 337,243.34
3,850,477.24	1,763,831.49	9,580.73	468,019.04	31,134,535.94

THE HYDRO-ELECTRIC POWER
Obsolescence and Contingencies

	Niagara System	Georgian Bay System
	\$ c.	\$ c.
Balances at November 1, 1934.....	6,570,115.56	497,067.46
Adjustments—prior years.....	16,884.48	683.70
	6,587,000.04	496,383.76
Obsolescence and contingencies provisions for the year:		
Principal—as per cost statement	133,744.87	44,390.15
Interest at 4% on reserves' balances.....	262,337.40	19,655.35
Contributed—Chats Falls.....	17,318.85	.....
Total provision.....	413,401.12	64,045.50
Profits from sale of securities.....	3,329.81	252.74
Sub-total.....	7,003,730.97	560,682.00
Contingencies met with during the year.....	284,293.75	61,808.78
Amounts transferred to fire insurance reserve.....	27,500.00	5,000.00
Deficiency after sinking fund appropriation:		
Power properties.....	2,878,831.21	.....
Terminal building, Hamilton	32,535.22	.....
Total charges.....	3,223,160.18	66,808.78
Balances at October 31, 1935.....	3,780,570.79	493,873.22
Account balances:		
Power plants, transmission lines, transformer		
stations and rural power districts.....	3,778,184.19	493,575.46
Rural lines.....	2,386.60	297.76
Nipissing rural power district.....	.....	.....
Manitoulin rural power district.....	.....	.....
	3,780,570.79	493,873.22

COMMISSION OF ONTARIO

Reserves—October 31, 1935

Eastern Ontario System	Thunder Bay System	Non-System Properties	Total for power undertakings operated on a "cost basis"
\$ c. 1,211,725.38 807.82	\$ c. 727,663.84	\$ c. 2,908.66 12.87	\$ c. 9,009,480.90 15,380.09
1,210,917.56	727,663.84	2,895.79	9,024,860.99
86,456.30 48,036.70	1,190.36 28,806.55	1,116.83 115.83	266,898.51 358,951.83 17,318.85
134,493.00	29,996.91	1,232.66	643,169.19
568.56	274.43	.....	4,425.54
1,345,979.12	757,935.18	4,128.45	9,672,455.72
37,738.99 10,000.00	3,905.69 7,500.00	63.69	387,810.90 50,000.00 2,878,831.21 32,535.22
47,738.99	11,405.69	63.69	3,349,177.33
1,298,240.13	746,529.49	4,064.76	6,323,278.39
1,298,240.13	746,529.49 ..... ..... .....	..... ..... 2,271.09 1,793.67	6,316,529.27 2,684.36 2,271.09 1,793.67
1,298,240.13	746,529.49	4,064.76	6,323,278.39

THE HYDRO-ELECTRIC POWER

Sinking Fund Reserves

	Niagara System	Georgian Bay System
	\$ c.	\$ c.
Balances at November 1, 1934.....	27,551,041.34	1,063,405.39
Adjustments—prior years.....	52.50	2,855.45
	27,550,988.84	1,060,549.94
Sinking fund appropriations for the year:		
Principal—as per cost statement.....	1,973,389.31	88,746.21
Interest at 4% on reserves' balances.....	1,102,008.64	42,421.99
Total appropriation.....	3,075,397.95	131,168.20
Balances at October 31, 1935.....	30,626,386.79	1,191,718.14
Account balances:		
Systems.....	30,015,677.66	1,135,159.84
Rural power districts.....	598,255.67	55,539.72
Rural lines.....	12,453.46	1,018.58
Bonnechere River storage system.....	.....	.....
Nipissing rural power district.....	.....	.....
Manitoulin rural power district.....	.....	.....
Administrative office buildings.....	.....	.....
Service buildings and equipment.....	.....	.....
	30,626,386.79	1,191,718.14

COMMISSION OF ONTARIO

—October 31, 1935

Eastern Ontario System	Thunder Bay System	Non-System Properties	Service and administrative buildings and equipment	Total for power undertakings operated on a "cost basis"
\$ c. 1,281,767.77 2,820.03	\$ c. 1,251,553.24	\$ c. 7,022.93 7.57	\$ c. 300,507.13	\$ c. 31,455,297.80 5,735.55
1,278,947.74	1,251,553.24	7,015.36	300,507.13	31,449,562.25
184,228.67 51,227.99	148,735.40 50,062.13	2,361.73 280.62	16,709.26 12,020.27	2,414,170.58 1,258,021.64
235,456.66	198,797.53	2,642.35	28,729.53	3,672,192.22
1,514,404.40	1,450,350.77	9,657.71	329,236.66	35,121,754.47
1,404,829.75 109,574.65	1,448,526.20 1,824.57 ..... ..... ..... ..... ..... .....	..... ..... 7,373.03 1,225.19 1,059.49 ..... ..... .....	..... ..... ..... ..... 187,626.19 141,610.47	34,004,193.45 765,194.61 13,472.04 7,373.03 1,225.19 1,059.49 187,626.19 141,610.47
1,514,404.40	1,450,350.77	9,657.71	329,236.66	35,121,754.47

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Account with
The Provincial Treasurer of the Province of Ontario
For the Year Ended October 31, 1935

ADVANCES FROM THE PROVINCE OF ONTARIO

	Total	Northern Ontario Properties operated for the Province of Ontario	Niagara and other systems operated on a "cost basis"
	\$ c.	\$ c.	\$ c.
ADVANCES FOR CAPITAL EXPENDITURES			
Cash advances made by the Province to the Commission for capital expenditure purposes during the years 1909 to 1934 inclusive	207,250,258.34	8,272,477.97	198,977,780.37
Cash returned by the Commission to the Province on April 30, 1935, to cover the difference between advances made by the Province to the Commission during the year ended October 31, 1934 and the capital expenditures made out of such advances by the Commission in that year.....	247,507.98	73,624.21	173,883.77
Total advances for capital expenditures....	207,002,750.36	8,198,853.76	198,803,896.60
REPAYMENTS OF ADVANCES			
Cash repayments made by the Commission to the Province during the years 1926 to 1934 inclusive, under debt retirement plan.....	19,421,015.06		19,421,015.06
Cash repayment made by the Commission to the Province on October 31, 1935.....	2,410,683.65		2,410,683.65
Total cash repayments of advances	21,831,698.71		21,831,698.71
Balance owing to the Province of Ontario at October 31, 1935.....	185,171,051.65	8,198,853.76	176,972,197.89

INTEREST, COMMISSION AND EXCHANGE CHARGES ON THE ABOVE ADVANCES

Interest for the year ended October 31, 1935 on advances for capital expenditures.....	10,430,995.67	369,888.41	10,061,107.26
Less—Interest for the year ended October 31, 1935 on repayments of advances.....	894,844.73		894,844.73
	9,536,150.94	369,888.41	9,166,262.53
Sundry charges in the year ended October 31, 1935 for interest, commission and exchange—net.....	7,872.13		
	9,544,023.07		
Payment by the Commission to the Province on March 31, 1935 on account of interest and other debt charges.....	4,026,760.87		
Payment by the Commission to the Province on October 31, 1935, being balance of interest and other debt charges for the year ended October 31, 1935.....	5,517,262.20		
	9,544,023.07		

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

DETAILED STATEMENTS

FOR MUNICIPALITIES AND RURAL POWER DISTRICTS

For the Year ended October 31, 1935

Cost of Power.....Charges to Municipalities and Rural Power Districts

Rural Operating....Charges to Rural Power Districts

Credit or Charge....Accumulated Balances of Municipalities and Rural Power
Districts on account of Annual Cost Adjustments

Sinking Fund.....Equities of Municipalities and Rural Power Districts

NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each by the Commission; the amount appropriated from the contingency cost; the amount received by the Commission from each charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year To Oct. 31, 1935	Share of capital cost of system on which interest and fixed charges are payable	Average horsepower supplied in year after correction for power factor	Cost of power purchased	Share of operating	
					Operating, maintenance and administrative expenses	Interest
	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Acton.....	33.00	301,887.72	1,089.6	10,623.52	5,739.84	14,361.92
Agincourt.....	40.00	49,122.87	144.3	1,406.91	1,022.47	2,304.28
Ailsa Craig.....	51.00	34,816.38	86.6	844.34	1,060.79	1,585.79
Alvinston.....	90.00	50,020.50	79.8	778.04	1,659.32	2,254.97
Amherstburg.....	38.00	189,737.58	615.7	6,003.03	5,271.47	8,924.80
Ancaster twp.....	32.00	64,517.96	245.7	2,395.56	1,991.79	3,077.66
Arkona.....	75.00	29,888.39	49.8	485.55	1,002.18	1,363.18
Aylmer.....	36.00	136,680.75	472.2	4,603.92	3,357.52	6,445.61
Ayr.....	35.00	47,153.07	171.3	1,670.16	1,087.76	2,231.05
Baden.....	33.00	73,064.92	266.0	2,593.48	1,942.26	3,427.69
Beachville.....	33.00	103,444.39	379.2	3,697.17	2,454.03	4,863.20
Belle River.....	40.00	40,250.35	127.3	1,241.17	1,260.94	1,893.68
Blenheim.....	39.00	107,599.81	344.9	3,362.75	3,235.70	5,029.78
Blyth.....	56.00	40,517.32	92.0	896.99	1,244.95	1,870.47
Bolton.....	44.00	40,454.19	114.9	1,120.27	1,178.87	1,863.01
Bothwell.....	47.00	34,022.18	99.6	971.09	1,466.58	1,559.52
Brampton.....	31.50	521,496.36	2,110.8	20,580.15	14,280.80	24,887.69
Brantford.....	27.00	3,112,829.34	13,381.3	130,466.72	57,174.21	149,013.94
Brantford twp.....	32.00	136,960.40	566.8	5,526.26	4,717.88	6,584.45
Bridgeport.....	36.00	33,700.10	112.1	1,092.97	815.66	1,599.20
Brigden.....	65.00	32,905.42	62.2	606.45	1,047.79	1,490.27
Brussels.....	54.00	46,477.04	111.1	1,083.22	1,396.75	2,145.21
Burford.....	35.00	40,730.27	138.5	1,350.37	997.84	1,917.40
Burgessville.....	55.00	13,439.36	30.5	297.37	508.29	612.13
Caledonia.....	32.00	67,927.31	258.3	2,518.41	1,560.35	3,223.66
Campbellville.....	60.00	12,904.32	26.9	262.27	475.31	594.88
Cayuga.....	48.00	43,463.70	101.1	985.72	1,160.62	2,003.21
Chatham.....	31.00	1,115,677.08	4,316.2	42,082.64	26,631.12	52,918.34
Chippawa.....	25.00	48,335.08	238.8	2,328.28	1,381.28	2,346.82
Clifford.....	60.00	28,931.84	59.2	577.20	750.91	1,329.00
Clinton.....	39.00	142,066.70	450.1	4,388.44	3,751.07	6,645.98
Comber.....	50.00	48,759.67	126.2	1,230.44	1,250.64	2,240.28
Cottam.....	44.00	21,262.55	58.7	572.32	658.56	995.10
Courtright.....	75.00	20,805.70	35.6	347.10	702.52	945.04
Dashwood.....	53.00	22,245.12	54.9	535.27	572.43	1,019.25
Delaware.....	38.00	10,947.83	40.3	392.92	621.67	514.39
Dorchester.....	42.00	28,542.09	86.3	841.42	871.98	1,326.59
Drayton.....	60.00	43,098.01	89.9	876.52	1,225.22	1,973.17
Dresden.....	45.00	94,370.57	272.0	2,651.98	2,988.38	4,383.09
Drumbo.....	43.00	19,393.05	59.3	578.17	521.07	905.24

SYSTEM

N.—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to it reserve of the system and proportionately applied in reduction of such Municipality; and the amount remaining to be credited or supplied to it in the year ending October 31, 1935

costs and fixed charges		Total cost of power for year	Amount appropriated from contingency reserve and proportionately applied in reduction of such cost	Amounts charged to each municipality in respect of power supplied to it in the year	Amounts received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality	
Renewals	Sinking fund					Credited	Charged
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
2,514.74	2,902.78	36,142.80	2,724.00	33,418.80	35,957.04	2,538.24	.....
439.82	480.67	5,654.15	360.75	5,293.40	5,771.64	478.24	.....
360.19	343.93	4,195.04	216.50	3,978.54	4,414.34	435.80	.....
597.79	506.47	5,796.59	199.50	5,597.09	7,179.00	1,581.91	.....
1,656.02	1,841.69	23,697.01	1,539.25	22,157.76	23,397.51	1,239.75	.....
515.91	616.96	8,597.88	614.25	7,983.63	7,862.61	.....	121.02
353.14	302.10	3,506.15	124.50	3,381.65	3,736.84	355.19	.....
1,172.28	1,319.51	16,898.84	1,180.50	15,718.34	16,998.60	1,280.26	.....
390.28	453.09	5,832.34	428.25	5,404.09	5,994.88	590.79	.....
602.57	702.31	9,268.31	665.00	8,603.31	8,777.16	173.85	.....
846.22	991.69	12,852.31	948.00	11,904.31	12,513.04	608.73	.....
357.89	391.66	5,145.34	318.25	4,827.09	5,093.28	266.19	.....
959.41	1,045.44	13,633.08	862.25	12,770.83	13,449.12	678.29	.....
435.49	403.62	4,851.52	230.00	4,621.52	5,151.03	529.51	.....
391.37	396.85	4,950.37	287.25	4,663.12	5,056.30	393.18	.....
321.31	332.96	4,651.46	249.00	4,402.46	4,681.95	279.49	.....
3,901.60	4,956.21	68,606.45	5,277.00	63,329.45	66,488.84	3,159.39	.....
23,253.21	29,551.10	389,459.18	33,453.25	356,005.93	352,275.83	.....	3,730.10
1,003.43	1,297.07	19,129.09	1,417.00	17,712.09	18,136.49	424.40	.....
297.32	326.42	4,131.57	280.25	3,851.32	4,036.89	185.57	.....
374.70	330.73	3,849.94	155.50	3,694.44	4,041.33	346.89	.....
489.11	461.60	5,575.89	277.75	5,298.14	5,997.15	699.01	.....
355.66	394.50	5,015.77	346.25	4,669.52	4,846.28	176.76	.....
144.87	133.68	1,696.34	76.25	1,620.09	1,676.07	55.98	.....
544.26	649.93	8,496.61	645.75	7,850.86	8,264.75	413.89	.....
143.62	129.07	1,605.15	67.25	1,537.90	1,614.50	76.60	.....
463.53	430.23	5,043.31	252.75	4,790.56	4,854.40	63.84	.....
8,543.65	10,652.06	140,827.81	10,790.50	130,037.31	133,802.42	3,765.11	.....
298.99	448.41	6,803.78	597.00	6,206.78	5,970.16	.....	236.62
323.02	289.76	3,269.89	148.00	3,121.89	3,552.50	430.61	.....
1,286.70	1,382.26	17,454.45	1,125.25	16,329.20	17,042.65	713.45	.....
492.08	481.52	5,694.96	315.50	5,379.46	6,309.14	929.68	.....
205.52	209.03	2,640.53	146.75	2,493.78	2,582.05	88.27	.....
244.04	210.05	2,448.75	89.00	2,359.75	2,669.35	309.60	.....
231.16	220.01	2,578.12	137.25	2,440.87	2,910.97	470.10	.....
87.42	103.75	1,720.15	100.75	1,619.40	1,532.34	.....	87.06
264.21	276.23	3,580.43	215.75	3,364.68	3,623.69	259.01	.....
477.90	431.15	4,983.96	224.75	4,759.21	5,392.50	633.29	.....
899.35	924.65	11,847.45	680.00	11,167.45	12,238.46	1,071.01	.....
181.41	189.36	2,375.25	148.25	2,227.00	2,551.30	324.30	.....

NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each by the Commission; the amount appropriated from the contingency cost; the amount received by the Commission from each charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year To Oct. 31, 1935	Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating	
					Operating, maintenance and administrative expenses	Interest
	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Dublin.....	59.00	16,571.99	33.6	327.60	593.35	754.02
Dundas.....	27.00	336,323.39	1,457.9	14,214.42	6,075.06	16,046.65
Dunnville.....	32.00	221,943.73	814.3	7,939.37	3,622.13	10,544.38
Dutton.....	38.00	60,003.94	205.4	2,002.64	2,013.38	2,807.89
East Windsor.....	32.00	754,083.66	2,721.0	26,529.55	16,478.14	35,683.66
Elmira.....	36.00	187,756.54	633.0	6,171.70	3,811.15	8,763.46
Elora.....	36.00	83,853.35	276.3	2,693.91	1,938.63	3,898.87
Embro.....	48.00	32,228.65	92.5	901.87	1,194.82	1,493.01
Erieau.....	56.00	29,096.72	67.3	656.17	833.32	1,346.22
Erie Beach.....	70.00	6,424.89	13.0	126.75	252.76	294.85
Essex.....	36.00	111,356.94	362.1	3,530.45	2,518.90	5,242.01
Etobicoke twp.....	28.00	908,019.28	3,755.5	36,615.86	19,174.88	43,648.29
Exeter.....	39.00	124,876.93	386.1	3,764.45	3,156.98	5,827.90
Fergus.....	36.00	262,782.22	893.3	8,709.61	5,522.17	12,402.06
Fonthill.....	36.00	29,175.85	119.8	1,168.04	1,263.91	1,406.21
Forest.....	48.00	120,775.15	319.4	3,114.13	3,581.16	5,609.21
Galt.....	27.00	1,369,036.59	5,712.9	55,700.36	28,738.84	65,187.10
Georgetown.....	37.00	316,121.31	1,032.5	10,066.80	6,512.95	14,832.45
Glencoe.....	58.00	73,254.16	160.4	1,563.89	2,320.90	3,364.08
Goderich.....	43.00	352,787.49	988.7	9,639.75	10,524.04	16,344.03
Granton.....	53.00	23,915.00	61.7	601.57	1,177.04	1,102.23
Guelph.....	28.00	1,978,173.66	8,349.6	81,408.00	40,538.66	94,690.11
Hagersville.....	33.00	160,098.72	527.9	5,146.99	2,987.09	7,427.16
Hamilton.....	24.50	19,556,689.32	89,883.8	876,360.64	327,574.18	951,098.68
Harriston.....	44.00	102,292.84	290.9	2,836.25	2,823.40	4,751.51
Harrow.....	39.00	106,515.52	329.2	3,209.68	2,645.91	5,013.48
Hensall.....	52.00	62,408.06	146.3	1,426.41	1,328.62	2,878.66
Hespeler.....	29.00	434,601.49	1,804.6	17,594.72	9,324.48	20,887.80
Highgate.....	47.00	24,694.09	65.5	638.62	827.75	1,130.29
Humberstone.....	29.00	84,548.24	341.8	3,332.53	1,642.82	4,059.89
Ingersoll.....	29.00	519,922.06	2,036.3	19,853.78	11,376.47	24,683.26
Jarvis.....	40.00	53,936.73	143.7	1,401.06	1,194.50	2,505.17
Kingsville.....	38.00	138,943.94	423.8	4,132.02	3,508.33	6,502.44
Kitchener.....	27.00	3,887,510.90	16,314.8	159,068.13	75,216.35	186,073.86
Lambeth.....	42.00	32,671.51	102.5	999.37	1,289.10	1,529.20
LaSalle.....	35.00	56,651.81	187.8	1,831.04	1,584.86	2,675.96
Leamington.....	37.00	373,095.19	1,146.8	11,181.22	9,187.37	17,558.91
Listowel.....	37.00	259,040.13	870.3	8,485.36	6,996.14	12,201.65
London.....	26.00	7,103,901.86	30,613.0	298,474.55	141,612.92	340,930.95
London Railway Commission.....		284,237.88	953.9	9,300.46	9,308.05	13,197.30

SYSTEM

N.—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to it
 reserve of the system and proportionately applied in reduction of such
 Municipality; and the amount remaining to be credited or
 supplied to it in the year ending October 31, 1935

costs and fixed charges		Total cost of power for year	Amount appropriat- ed from contingency reserve and pro- portionately applied in reduc- tion of such cost	Amounts charged to each municipality in respect of power supplied to it in the year	Amounts received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality	
Renewals	Sinking fund					Credited	Charged
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
185.55	166.01	2,026.53	84.00	1,942.53	1,982.34	39.81	.....
2,364.55	3,171.77	41,872.45	3,644.75	38,227.70	39,362.34	1,134.64	.....
1,872.07	2,131.67	26,109.62	2,035.75	24,073.87	26,056.53	1,982.66	.....
513.27	576.31	7,913.49	513.50	7,399.99	7,804.54	404.55	.....
6,051.97	7,249.96	91,993.28	6,802.50	85,190.78	87,071.97	1,881.19	.....
1,640.82	1,816.51	22,203.64	1,582.50	20,621.14	22,789.20	2,168.06	.....
747.13	812.91	10,091.45	690.75	9,400.70	9,945.00	544.30	.....
311.30	315.53	4,216.53	231.25	3,985.28	4,439.20	453.92	.....
308.73	289.30	3,433.74	168.25	3,265.49	3,765.96	500.47	.....
71.70	64.35	810.41	32.50	777.91	911.69	133.78	.....
970.73	1,080.87	13,342.96	905.25	12,437.71	13,034.52	596.81	.....
6,543.69	8,584.74	114,567.46	9,388.75	105,178.71	105,153.72	24.99	.....
1,154.84	1,216.72	15,120.89	965.25	14,155.64	15,059.17	903.53	.....
2,274.32	2,529.09	31,437.25	2,233.25	29,204.00	32,157.90	2,953.90	.....
223.67	277.00	4,338.83	299.50	4,039.33	4,312.50	273.17	.....
1,201.14	1,190.77	14,696.41	798.50	13,897.91	15,329.20	1,431.29	.....
9,952.53	12,967.75	172,546.58	14,282.25	158,264.33	154,247.56	4,016.77	.....
2,834.13	3,067.39	37,313.72	2,581.25	34,732.47	38,202.54	3,470.07	.....
794.39	730.63	8,773.89	401.00	8,372.89	9,304.61	931.72	.....
3,437.19	3,465.08	43,410.09	2,471.75	40,938.34	41,275.23	336.89	.....
244.01	236.18	3,361.03	154.25	3,206.78	3,268.46	61.68	.....
14,240.44	18,713.00	249,590.21	20,874.00	228,716.21	233,789.55	5,073.34	.....
1,431.87	1,552.62	18,545.73	1,319.75	17,225.98	17,422.02	196.04	.....
128,498.73	183,212.88	2,466,745.11	224,709.50	2,242,035.61	2,202,153.40	39,882.21	.....
989.12	1,003.93	12,404.21	727.25	11,676.96	12,799.01	1,122.05	.....
961.44	1,038.06	12,868.57	823.00	12,045.57	12,837.48	791.91	.....
663.94	619.93	6,917.56	365.75	6,551.81	7,605.83	1,054.02	.....
3,176.05	4,118.89	55,101.94	4,511.50	50,590.44	52,333.98	1,743.54	.....
244.43	242.22	3,083.31	163.75	2,919.56	3,076.89	157.33	.....
649.35	803.62	10,488.21	854.50	9,633.71	9,911.67	277.96	.....
4,021.51	4,958.45	64,893.47	5,090.75	59,802.72	59,052.56	750.16	.....
545.11	531.69	6,177.53	359.25	5,818.28	5,745.96	72.32	.....
1,265.02	1,355.53	16,763.34	1,059.50	15,703.84	16,105.62	401.78	.....
28,014.87	36,796.86	485,170.07	40,787.00	444,383.07	440,498.26	3,884.81	.....
299.04	317.72	4,434.43	256.25	4,178.18	4,305.00	126.82	.....
487.00	549.03	7,127.89	469.50	6,658.39	6,572.36	86.03	.....
3,379.85	3,637.66	44,945.01	2,867.00	42,078.01	42,432.62	354.61	.....
2,252.11	2,507.15	32,442.41	2,175.75	30,266.66	32,201.54	1,934.88	.....
49,643.02	67,041.89	897,703.33	76,532.50	821,170.83	795,937.95	25,232.88	.....
2,489.67	2,750.86	37,046.34	2,384.75	34,661.59	29,821.96	4,839.63	.....

NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each by the Commission; the amount appropriated from the contingency cost; the amount received by the Commission from each charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year To Oct. 31, 1935	Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating	
					Operating, maintenance and administrative expenses	Interest
	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
London twp.....	34.00	101,860.76	378.8	3,693.27	2,947.67	4,874.80
Long Branch.....	30.00	170,958.91	680.4	6,633.85	3,291.71	8,261.18
Lucan.....	38.00	38,145.35	131.5	1,282.12	1,317.85	1,774.99
Lynden.....	40.00	26,175.17	87.3	851.17	554.65	1,211.59
Markham.....	43.00	72,525.85	242.5	2,364.36	1,941.96	3,423.79
Merlin.....	48.00	28,607.36	76.8	748.79	749.70	1,314.69
Merritton.....	23.00	676,350.90	3,466.5	33,798.13	13,749.94	33,368.54
Milton.....	35.00	168,893.79	587.5	5,728.08	5,369.78	7,804.77
Milverton.....	36.00	74,199.92	243.2	2,371.18	1,846.86	3,413.28
Mimico.....	26.00	472,607.08	2,086.6	20,344.20	9,868.28	22,782.56
Mitchell.....	33.00	120,360.64	432.2	4,213.92	3,815.18	5,642.30
Moorefield.....	65.00	20,231.69	40.2	391.95	824.08	922.37
Mount Brydges.....	42.00	27,511.18	92.0	896.99	1,173.50	1,283.56
Newbury.....	54.00	17,681.98	43.2	421.20	647.55	817.38
New Hamburg.....	35.00	121,577.99	411.7	4,014.05	3,441.67	5,689.37
New Toronto.....	30.00	1,427,351.83	5,690.6	55,482.94	27,104.39	68,133.67
Niagara Falls.....	19.00	1,586,729.14	8,737.3	85,188.04	28,196.35	77,958.05
Niagara-on-the-Lake.....	27.00	103,142.81	504.0	4,913.96	2,808.39	5,022.61
Norwich.....	35.00	89,970.39	307.7	3,000.05	2,409.44	4,204.25
Oil Springs.....	44.00	63,055.91	174.7	1,703.31	1,770.26	2,908.52
Otterville.....	46.00	29,902.66	81.6	795.59	773.25	1,388.19
Palmerston.....	40.00	125,093.58	394.4	3,845.37	3,621.90	5,846.28
Paris.....	28.00	276,931.98	1,143.7	11,151.00	6,473.44	13,165.05
Parkhill.....	62.00	66,663.91	126.3	1,231.42	1,537.77	3,035.24
Petrolia.....	40.00	277,196.71	842.7	8,216.26	7,673.22	12,883.50
Plattsville.....	55.00	26,218.35	62.7	611.32	709.50	1,204.69
Point Edward.....	40.00	284,081.80	1,010.3	9,850.35	9,713.38	13,533.88
Port Colborne.....	29.00	317,736.16	1,284.5	12,523.78	5,978.55	15,197.55
Port Credit.....	34.00	149,297.31	554.9	5,410.24	4,585.20	7,100.87
Port Dalhousie.....	30.00	133,897.19	561.1	5,470.68	3,768.92	6,443.84
Port Dover.....	40.00	94,361.86	296.3	2,888.90	2,122.52	4,433.42
Port Rowan.....	62.00	28,202.43	61.5	599.62	713.66	1,295.56
Port Stanley.....	40.00	121,648.26	385.0	3,753.72	2,849.52	5,686.87
Preston.....	27.00	562,035.54	2,383.4	23,238.00	12,466.77	26,675.38
Princeton.....	50.00	38,004.03	102.4	998.39	942.75	1,771.86
Queenston.....	29.00	21,713.52	100.1	975.97	628.19	1,049.89
Richmond Hill.....	35.00	88,772.21	314.2	3,063.43	2,477.76	4,225.09
Ridgetown.....	38.00	123,773.98	400.7	3,906.80	3,679.60	5,795.03
Riverside.....	34.00	289,035.06	957.3	9,333.61	5,545.70	13,623.78
Rockwood.....	42.00	31,953.76	92.6	902.84	643.56	1,483.35

SYSTEM

N.—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to it reserve of the system and proportionately applied in reduction of such Municipality; and the amount remaining to be credited or supplied to it in the year ending October 31, 1935

costs and fixed charges		Total cost of power for year	Amount appropriated from contingency reserve and proportionately applied in reduction of such cost	Amounts charged to each municipality in respect of power supplied to it in the year	Amounts received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality	
Renewals	Sinking fund					Credited	Charged
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
823.65	976.55	13,315.94	947.00	12,368.94	12,880.01	511.07	.....
1,288.64	1,627.71	21,103.09	1,701.00	19,402.09	20,413.25	1,011.16	.....
327.70	368.33	5,070.99	328.75	4,742.24	4,996.02	253.78	.....
232.13	253.49	3,103.03	218.25	2,884.78	3,493.76	608.98	.....
588.16	701.81	9,020.08	606.25	8,413.83	10,426.76	2,012.93	.....
283.48	281.82	3,378.48	192.00	3,186.48	3,688.64	502.16	.....
3,896.27	6,243.06	91,055.94	8,666.25	82,389.69	79,728.91	2,660.78	.....
1,442.78	1,629.96	21,975.37	1,468.75	20,506.62	20,562.43	55.81	.....
656.52	719.69	9,007.53	608.00	8,399.53	8,754.87	355.34	.....
3,176.74	4,447.56	60,619.34	5,216.50	55,402.84	54,250.90	1,151.94	.....
985.19	1,151.55	15,808.14	1,080.50	14,727.64	14,262.38	465.26	.....
228.09	202.90	2,569.39	100.50	2,468.89	2,610.99	142.10	.....
237.03	263.14	3,854.22	230.00	3,624.22	3,863.30	239.08	.....
183.25	175.22	2,244.60	108.00	2,136.60	2,331.90	195.30	.....
1,061.29	1,177.31	15,383.69	1,029.25	14,354.44	14,408.00	53.56	.....
10,740.06	13,587.06	175,048.12	14,226.50	160,821.62	170,718.00	9,896.38	.....
8,213.87	14,492.78	214,049.09	21,843.25	192,205.84	166,009.14	26,196.70	.....
647.99	958.27	14,351.22	1,260.00	13,091.22	13,607.89	516.67	.....
777.30	868.35	11,259.39	769.25	10,490.14	10,767.99	277.85	.....
611.93	619.68	7,613.70	436.75	7,176.95	7,688.23	511.28	.....
296.79	293.91	3,547.73	204.00	3,343.73	3,754.71	410.98	.....
1,136.85	1,217.79	15,668.19	986.00	14,682.19	15,777.63	1,095.44	.....
2,037.35	2,626.14	35,452.98	2,859.25	32,593.73	32,023.81	569.92	.....
763.61	668.87	7,236.91	315.75	6,921.16	7,827.46	906.30	.....
2,543.41	2,702.51	34,018.90	2,106.75	31,912.15	34,666.03	2,753.88	.....
277.51	260.38	3,063.40	156.75	2,906.65	3,446.63	539.98	.....
2,330.19	2,735.21	38,163.01	2,525.75	35,637.26	40,411.30	4,774.04	.....
2,440.32	3,020.04	39,160.24	3,211.25	35,948.99	37,250.66	1,301.67	.....
1,206.93	1,430.16	19,733.40	1,387.25	18,346.15	18,865.99	519.84	.....
996.97	1,267.66	17,948.07	1,402.75	16,545.32	16,832.00	286.68	.....
867.18	918.57	11,230.59	740.75	10,489.84	11,851.64	1,361.80	.....
308.22	280.67	3,197.73	153.75	3,043.98	3,812.44	768.46	.....
1,107.46	1,182.30	14,579.87	962.50	13,617.37	15,400.98	1,783.61	.....
4,015.34	5,314.04	71,709.53	5,958.50	65,751.03	64,351.78	1,399.25	.....
381.00	374.53	4,468.53	256.00	4,212.53	5,119.12	906.59	.....
147.13	203.26	3,004.44	250.25	2,754.19	2,902.37	148.18	.....
684.81	855.08	11,306.17	785.50	10,520.67	10,997.26	476.59	.....
1,095.83	1,201.37	15,678.63	1,001.75	14,676.88	15,224.82	547.94	.....
2,490.40	2,804.24	33,797.73	2,393.25	31,404.48	32,546.48	1,142.00	.....
308.18	313.01	3,650.94	231.50	3,419.44	3,890.60	471.16	.....

NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each by the Commission; the amount appropriated from the contingency cost; the amount received by the Commission from each charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year To Oct. 31, 1935	Share of capital cost of system on which interest and fixed charges are payable	Average horsepower supplied in year after correction for power factor	Cost of power purchased	Share of operating	
					Operating, maintenance and administrative expenses	Interest
	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Rodney.....	48.00	46,146.54	113.1	1,102.72	1,618.14	2,118.19
St. Catharines.....	23.00	1,844,189.67	9,406.7	91,714.65	36,164.34	90,230.38
St. Clair Beach.....	40.00	21,158.86	62.3	607.42	421.39	987.15
St. George.....	42.00	47,256.54	154.1	1,502.46	1,298.65	2,220.11
St. Jacobs.....	34.00	50,915.84	186.6	1,819.34	1,482.26	2,415.11
St. Marys.....	36.00	354,803.01	1,287.7	12,554.98	11,801.23	16,711.36
St. Thomas.....	28.00	1,479,076.03	6,287.3	61,300.72	36,450.22	70,892.29
Sandwich.....	32.00	800,098.87	2,750.8	26,820.10	14,889.11	37,750.22
Sarnia.....	34.00	2,032,668.38	7,116.9	69,389.26	43,248.48	96,003.53
Scarboro twp.....	32.00	775,320.18	2,784.4	27,147.70	15,015.29	36,886.28
Seaforth.....	35.00	134,538.77	455.9	4,444.99	3,488.49	6,265.79
Simcoe.....	31.00	402,229.30	1,571.6	15,322.99	9,029.05	19,245.79
Springfield.....	50.00	34,148.76	86.8	846.29	1,061.67	1,580.06
Stamford twp.....	21.00	340,110.42	1,857.9	18,114.39	10,045.01	16,795.83
Stouffville.....	46.00	67,784.77	186.0	1,813.49	2,082.13	3,154.78
Stratford.....	30.00	1,614,914.92	6,438.1	62,771.01	37,398.58	76,713.69
Strathroy.....	34.00	264,753.92	941.0	9,174.68	5,514.63	12,277.14
Streetsville.....	40.00	26,471.01	89.9	876.52	1,026.61	1,267.84
Sutton.....	55.00	73,440.15	175.7	1,713.06	2,170.74	3,405.80
Tavistock.....	37.00	140,625.08	480.9	4,688.74	3,468.79	6,622.76
Tecumseh.....	38.00	90,945.62	281.8	2,747.53	1,760.63	4,268.00
Thamesford.....	40.00	39,352.43	125.8	1,226.54	1,215.38	1,830.29
Thamesville.....	41.00	49,760.99	165.8	1,616.54	1,602.06	2,334.00
Thedford.....	68.00	35,729.48	68.0	663.00	1,302.69	1,632.19
Thorndale.....	65.00	19,724.91	39.3	383.17	688.47	891.10
Thorold.....	25.00	392,461.27	1,873.3	18,264.54	8,142.25	19,141.66
Tilbury.....	38.00	154,934.41	502.4	4,898.36	4,062.78	7,279.69
Tillsonburg.....	33.00	236,376.54	831.8	8,109.99	5,214.92	11,116.93
Toronto.....	26.10	61,316,664.99	257,290.1	2,508,560.04	1,026,111.19	2,938,897.16
Toronto twp.....	32.00	460,731.67	1,819.6	17,740.97	13,672.10	22,098.81
Trafalgar twp.....		100,448.46	379.0	3,695.22	2,020.72	4,869.03
Walkerville.....	28.00	2,180,367.19	8,355.9	81,469.42	40,240.34	103,720.20
Wallaceburg.....	37.00	538,600.15	1,751.0	17,072.12	12,648.09	25,261.67
Wardsville.....	62.00	12,994.34	28.8	280.80	589.27	597.17
Waterdown.....	32.00	55,363.44	207.8	2,026.04	1,583.07	2,609.01
Waterford.....	32.00	89,665.12	332.4	3,240.88	1,936.59	4,239.74
Waterloo.....	27.00	691,213.53	2,859.6	27,880.89	15,417.60	32,953.87
Watford.....	55.00	81,241.87	197.4	1,924.64	2,181.45	3,752.70
Welland.....	24.00	860,954.58	4,043.3	39,421.88	15,169.93	41,716.91
Wellesley.....	50.00	40,344.29	99.9	974.02	1,199.86	1,835.91

SYSTEM

N.—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to it reserve of the system and proportionately applied in reduction of such Municipality; and the amount remaining to be credited or supplied to it in the year ending October 31, 1935

costs and fixed charges		Total cost of power for year	Amount appropriated from contingency reserve and proportionately applied in reduction of such cost	Amounts charged to each municipality in respect of power supplied to it in the year	Amounts received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality	
Renewals	Sinking fund					Credited	Charged
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
477.55	454.17	5,770.77	282.75	5,488.02	5,426.40		61.62
10,705.28	17,034.10	245,848.75	23,516.75	222,332.00	216,354.22		5,977.78
197.30	207.23	2,420.49	155.75	2,264.74	2,491.96	227.22	
423.67	458.54	5,903.43	385.25	5,518.18	6,472.90	954.72	
417.19	488.80	6,622.70	466.50	6,156.20	6,343.22	187.02	
2,846.12	3,409.60	47,323.29	3,219.25	44,104.04	46,356.00	2,251.96	
10,494.06	13,978.53	193,115.82	15,718.25	177,397.57	176,043.91		1,353.66
6,684.61	7,726.94	93,870.98	6,877.00	86,993.98	88,024.50	1,030.52	
16,887.71	19,599.83	245,128.81	17,792.25	227,336.56	241,973.11	14,636.55	
5,898.44	7,458.10	92,405.81	6,961.00	85,444.81	89,100.74	3,655.93	
1,162.89	1,301.51	16,663.67	1,139.75	15,523.92	15,955.75	431.83	
3,125.61	3,837.50	50,560.94	3,929.00	46,631.94	48,718.14	2,086.20	
350.85	337.57	4,176.44	217.00	3,959.44	4,339.95	380.51	
1,787.26	3,110.29	49,852.78	4,644.75	45,208.03	39,016.39		6,191.64
631.18	664.69	8,346.27	465.00	7,881.27	8,554.06	672.79	
12,139.89	15,373.63	204,396.80	16,095.25	188,301.55	193,142.00	4,840.45	
2,147.47	2,497.06	31,610.98	2,352.50	29,258.48	31,993.41	2,734.93	
229.62	255.63	3,656.22	224.75	3,431.47	3,595.74	164.27	
739.93	728.76	8,758.29	439.25	8,319.04	9,663.01	1,343.97	
1,206.76	1,358.96	17,346.01	1,202.25	16,143.76	17,793.17	1,649.41	
821.03	887.22	10,484.41	704.50	9,779.91	10,706.77	926.86	
356.54	382.58	5,011.33	314.50	4,696.83	5,030.30	333.47	
431.75	481.88	6,466.23	414.50	6,051.73	6,796.39	744.66	
405.97	359.00	4,362.85	170.00	4,192.85	4,625.89	433.04	
222.80	197.74	2,383.28	98.25	2,285.03	2,553.38	268.35	
2,509.90	3,657.62	51,715.97	4,683.25	47,032.72	46,832.19		200.53
1,371.31	1,504.43	19,116.57	1,256.00	17,860.57	19,091.15	1,230.58	
2,000.92	2,276.90	28,719.66	2,079.50	26,640.16	27,449.64	809.48	
390,147.53	580,425.75	7,444,141.67	643,225.25	6,800,916.42	6,715,270.27		85,646.15
3,514.58	4,389.97	61,416.43	4,549.00	56,867.43	58,227.16	1,359.73	
818.00	964.75	12,367.72	947.50	11,420.22	9,943.65		1,476.57
16,554.82	20,838.71	262,823.49	20,889.75	241,933.74	233,965.31		7,968.43
4,769.96	5,236.73	64,988.57	4,377.50	60,611.07	64,786.53	4,175.46	
140.25	129.51	1,737.00	72.00	1,665.00	1,787.13	122.13	
448.66	530.45	7,197.23	519.50	6,677.73	6,647.96		29.77
729.96	860.00	11,007.17	831.00	10,176.17	10,635.62	459.45	
5,057.71	6,553.07	87,863.14	7,149.00	80,714.14	77,208.05		3,506.09
841.34	805.43	9,505.56	493.50	9,012.06	10,858.80	1,846.74	
5,692.64	8,045.96	110,047.32	10,108.25	99,939.07	97,039.90		2,899.17
416.21	397.07	4,823.07	249.75	4,573.32	4,995.79	422.47	

NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each by the Commission; the amount appropriated from the contingency cost; the amount received by the Commission from each charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year To Oct. 31, 1935	Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating	
					Operating, maintenance and administrative expenses	Interest
	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
West Lorne.....	40.00	30,422.66	91.7	894.07	1,147.15	1,358.75
Weston.....	27.00	651,650.99	2,809.5	27,392.42	13,670.10	31,232.88
Wheatley.....	53.00	55,116.11	119.6	1,166.09	1,298.25	2,617.96
Windsor.....	28.00	5,291,895.70	20,279.0	197,718.79	95,830.45	250,791.03
Woodbridge.....	35.00	95,422.12	334.3	3,259.40	1,979.22	4,504.41
Woodstock.....	28.00	1,162,635.00	4,765.1	46,459.38	25,034.59	55,530.78
Wyoming.....	54.00	26,316.97	61.0	594.75	785.58	1,208.36
York East twp.....	32.00	1,263,630.65	5,272.9	51,410.40	49,103.16	60,986.33
York North twp....	32.00	761,470.10	2,861.2	27,896.49	21,759.44	36,519.51
Zurich.....	65.00	35,746.84	69.9	681.52	1,072.43	1,620.28
Mimico Asylum.....		43,410.46	168.8	1,645.79	753.99	2,103.76
Ontario Reformatory.....		62,931.70	255.1	2,487.21	1,209.32	3,060.87
Prison Brick Yard.....		33,609.80	118.9	1,159.27	573.54	1,616.44
Toronto Transportation Com.		65,995.38	248.6	2,423.83	1,165.79	2,564.05
Sandwich, Windsor and Amherstburg Railway Co.....		725,208.10	2,717.5	26,495.43	12,491.86	34,513.22
Totals—Municipalities.....		144,489,216.85	601,235.4	5,862,002.07	2,746,353.77	6,922,536.16
RURAL POWER DISTRICTS						
Acton R.P.D.—Erin, Esquesing and Nassagaweyatwps...		2,992.28	10.8	105.30	59.64	141.69
Ailsa Craig R.P.D.—Lobo, McGillivray and Williams E. twps.....		2,428.52	6.3	61.42	42.83	112.88
Alvinston R.P.D.—Brooke twp.....		1,943.16	3.1	30.22	59.83	88.28
Amherstburg R.P.D.—Anderdon, Colchester N., Colchester S. and Malden twps.		172,280.59	533.0	5,196.71	3,823.18	8,069.35
Aylmer R.P.D.—Bayham, Dereham, Dorchester N., Dorchester S., Malahide, and Yarmouth twps.....		81,741.78	271.0	2,642.23	1,751.81	3,834.92
Ayr R.P.D.—Blenheim, Dumfries N., and Dumfries S. twps.		11,535.13	43.5	424.12	283.14	548.24
Baden R.P.D.—Blandford, Blenheim, Easthope N., Easthope S., Waterloo, Wellesley, Wilmot and Zorra E. twps.....		107,482.97	389.8	3,800.52	2,571.78	5,111.40

SYSTEM

N.—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to it reserve of the system and proportionately applied in reduction of such Municipality; and the amount remaining to be credited or supplied to it in the year ending October 31, 1935

costs and fixed charges		Total cost of power for year	Amount appropriated from contingency reserve and proportionately applied in reduction of such cost	Amounts charged to each municipality in respect of power supplied to it in the year	Amounts received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality	
Renewals	Sinking fund					Credited	Charged
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
283.64	295.54	3,979.15	229.25	3,749.90	3,668.95	.....	80.95
4,506.98	6,149.63	82,952.01	7,023.75	75,928.26	75,857.55	.....	70.71
622.51	568.93	6,273.74	299.00	5,974.74	6,336.54	361.80	.....
40,182.20	50,577.24	635,099.71	50,697.50	584,402.21	567,812.15	.....	16,590.06
804.50	920.03	11,467.56	835.75	10,631.81	11,701.04	1,069.23	.....
8,600.32	11,034.29	146,659.36	11,912.75	134,746.61	133,423.84	.....	1,322.77
277.83	261.42	3,127.94	152.50	2,975.44	3,293.10	317.66	.....
8,100.79	11,969.03	181,569.71	13,182.25	168,387.46	168,733.29	345.83	.....
5,581.14	7,292.75	99,049.33	7,153.00	91,896.33	91,559.70	.....	336.63
405.68	358.29	4,138.20	174.75	3,963.45	4,545.66	582.21	.....
334.65	414.31	5,252.50	422.00	4,830.50	5,146.85	316.35	.....
472.55	598.03	7,827.98	637.75	7,190.23	7,524.51	334.28	.....
281.20	323.76	3,954.21	297.25	3,656.96	3,626.14	.....	30.82
525.82	631.90	7,311.39	621.50	6,689.89	7,901.00	1,211.11	.....
5,625.61	6,946.80	86,072.92	6,793.75	79,279.17	79,279.17	.....	.....
997,619.73	1,339,167.18	17,879,678.91	1,503,088.50	16,394,590.41	16,297,159.27	151,720.66	249,151.80
24.92	28.77	360.32	27.00	333.32	333.32	see page	187
24.60	23.90	265.63	15.75	249.88	249.88	"	"
23.23	19.68	221.24	7.75	213.49	213.49	"	"
1,554.01	1,678.85	20,322.10	1,332.50	18,989.60	18,989.60	"	"
720.03	790.44	9,739.43	677.50	9,061.93	9,061.93	"	"
92.52	110.43	1,458.45	108.75	1,349.70	1,349.70	"	"
888.77	1,033.20	13,405.67	974.50	12,431.17	12,431.17	"	"

NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each by the Commission; the amount appropriated from the contingency cost; the amount received by the Commission from each charged to each Municipality in respect of power

Rural power district	Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating	
				Operating, maintenance and administrative expenses	Interest
	\$ c.		\$ c.	\$ c.	\$
Beamsville R.P.D. —Caistor, Clinton, Gainsborough, Grimsby N., Grimsby S., Louth, Pelham and Wainfleet twps.....	279,377.67	1,055.5	10,291.05	6,205.21	13,306.38
Belle River R.P.D. —Maidstone and Rochester twps.....	59,916.90	191.9	1,871.01	1,517.76	2,796.73
Blenheim R.P.D. —Raleigh and Harwich twps.....	42,272.46	135.5	1,321.12	994.25	1,983.30
Bond Lake R.P.D. —King, Markham, Scarboro, Tecumseth, Vaughan Whitechurch and York N. twps.....	299,024.31	979.4	9,549.08	7,435.58	14,139.06
Bothwell R.P.D. —Aldborough, Ekfrid, Mosa, Orford and Zone twps...	65,794.54	184.1	1,794.96	1,652.32	3,082.08
Brampton R.P.D. —Chinguacousy and Toronto twps.....	32,438.14	128.8	1,255.79	1,354.64	1,548.68
Brant R.P.D. —Blenheim, Brantford, Burford, Dumfries S., Oakland and Onondaga twps.....	117,724.34	476.4	4,644.86	3,666.24	5,634.89
Brigden R.P.D. —Moore and Sombra twps.....	20,584.42	40.1	390.97	485.18	943.90
Burford R.P.D. —Brantford, Burford, Oakland, Townsend and Windham twps.....	47,347.11	161.0	1,569.74	1,000.38	2,245.92
Caledonia R.P.D. —Ancaster, Barton, Binbrook, Caistor, Glanford, Grimsby S., Oneida, Onondaga and Seneca twps.....	83,423.54	314.9	3,070.26	1,774.19	3,978.23
Chatham R.P.D. —Chatham, Dover, Harwich and Raleigh twps.....	113,381.78	433.6	4,227.57	2,772.24	5,383.59
Chippawa R.P.D. —Bertie, Crowland and Willoughby twps.....	21,321.20	102.8	1,002.29	388.64	1,021.58
Clinton R.P.D. —Goderich, Hay, Hullett, Stanley and Tuckersmith twps.....	45,366.51	134.0	1,306.49	1,386.14	2,125.13
Delaware R.P.D. —Caradoc, Delaware, Ekfrid, Lobo, London, Southwold and Westminster twps.....	80,274.12	295.6	2,882.08	1,726.52	3,752.43
Dorchester R.P.D. —Dorchester N., Dorchester S., London, Nissouri E., Nissouri W., Oxford N., Westminster and Yarmouth twps.....	90,919.12	313.8	3,059.53	1,863.18	4,259.22
Dresden R.P.D. —Camden, Chatham and Dawn twps.....	13,100.52	37.6	366.59	321.36	610.39
Drumbo R.P.D. —Blandford, Blenheim and Burford twps.....	32,457.49	85.4	832.64	720.27	1,498.19

SYSTEM

N.—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to it reserve of the system and proportionately applied in reduction of such Municipality; and the amount remaining to be credited or supplied to it in the year ending October 31, 1935.

costs & fixed charges		Total cost of power for year	Amount appropriated from contingency reserve and proportionately applied in reduction of such cost	Amounts charged to each municipality in respect of power supplied to it in the year	Amounts received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality	
Renewals	Sinking fund					Credited	Charged
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
2,280.71	2,672.47	34,755.82	2,638.75	32,117.07	32,117.07	see page	187
528.10	582.40	7,296.00	479.75	6,816.25	6,816.25	"	"
376.93	410.72	5,086.32	338.75	4,747.57	4,747.57	"	"
2,468.98	2,900.11	36,492.81	2,448.50	34,044.31	34,044.31	"	"
637.51	646.04	7,812.91	460.25	7,352.66	7,352.66	"	"
247.32	308.91	4,715.34	322.00	4,393.34	4,393.34	"	"
884.19	1,118.84	15,949.02	1,191.00	14,758.02	14,758.02	"	"
233.32	207.41	2,260.78	100.25	2,160.53	2,160.53	"	"
413.44	458.58	5,688.06	402.50	5,285.56	5,285.56	"	"
672.57	798.70	10,293.95	787.25	9,506.70	9,506.70	"	"
877.82	1,083.80	14,345.02	1,084.00	13,261.02	13,261.02	"	"
136.42	198.44	2,747.37	257.00	2,490.37	2,490.37	"	"
429.13	443.86	5,690.75	335.00	5,355.75	5,355.75	"	"
640.78	760.68	9,762.49	739.00	9,023.49	9,023.49	"	"
780.44	877.85	10,840.22	784.50	10,055.72	10,055.72	"	"
124.01	127.59	1,549.94	94.00	1,455.94	1,455.94	"	"
329.17	320.39	3,700.66	213.50	3,487.16	3,487.16	"	"

NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each by the Commission; the amount appropriated from the contingency cost; the amount received by the Commission from each charged to each Municipality in respect of power

Rural power district	Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating	
				Operating, maintenance and administrative expenses	Interest
	\$ c.		\$ c.	\$ c.	\$ c.
Dundas R.P.D. —Ancaster, Beverly, Flamboro E., Flamboro W., Glandford and Nelson twps.....	151,914.02	632.4	6,165.85	2,163.62	7,289.80
Dunnville R.P.D. —Canborough, Dunn and Moulton twps.....	10,852.84	40.3	392.92	628.68	518.13
Dutton R.P.D. —Aldborough and Dunwich twps.....	41,295.36	127.9	1,247.02	1,249.31	1,935.89
Elmira R.P.D. —Peel, Pilkington and Woolwich twps.....	26,297.79	88.7	864.81	440.21	1,249.22
Elora R.P.D. —Garafraxa W., Nichol, Peel and Pilkington twps.....	31,677.33	102.0	994.49	633.62	1,485.50
Essex R.P.D. —Colchester N., Gosfield N., Gosfield S., Maidstone, Mersea, Rochester and Sandwich S. twps.....	61,782.94	200.9	1,958.76	1,200.50	2,898.53
Exeter R.P.D. —Biddulph, Bosanquet, Hay, Hibbert, Stephen, Tuckersmith and Usborne twps.....	104,774.20	286.6	2,794.33	1,934.22	4,876.66
Forest R.P.D. —Adelaide, Bosanquet, Plympton, Warwick and Williams W. twps.....	16,761.80	39.8	388.05	409.67	775.73
Galt R.P.D. —Beverly, Dumfries N., Dumfries S. and Puslinch twps.....	45,785.49	187.2	1,825.19	2,047.11	2,194.82
Georgetown R.P.D. —Chinguacousy, Erin and Esquesing twps.....	39,673.90	130.4	1,271.39	775.89	1,870.18
Goderich R.P.D. —Ashfield, Colborne, Goderich and Wawanosh W. twps.....	40,354.27	90.9	886.27	1,168.40	1,865.09
Grantham R.P.D. —Grantham and Niagara twps.....	132,669.93	568.0	5,537.97	3,303.34	6,364.16
Guelph R.P.D. —Eramosa, Erin, Guelph, Nassagaweya and Puslinch twps.....	114,210.32	42.9	4,182.72	2,276.25	5,459.85
Haldimand R.P.D. —Cayuga N., Oneida, Rainham, Seneca and Walpole twps.....	71,315.94	196.1	1,911.96	1,636.37	3,326.58
Harriston R.P.D. —Howich and Minto twps.....	6,453.93	16.7	162.82	154.63	299.58
Harrow R.P.D. —Colchester N., Colchester S., Gosfield S. and Malden twps.....	126,371.44	380.0	3,704.98	2,699.04	5,938.98
Ingersoll R.P.D. —Dereham, Dorchester N., Nissouri E., Oxford N., Oxford W., Zorra E. and Zorra W. twps.....	116,474.12	389.3	3,795.64	2,748.26	5,496.16

SYSTEM

N.—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to it reserve of the system and proportionately applied in reduction of such Municipality; and the amount remaining to be credited or supplied to it in the year ending October 31, 1935.

costs & fixed charges		Total cost of power for year	Amount appropriated from contingency reserve and proportionately applied in reduction of such cost	Amounts charged to each municipality in respect of power supplied to it in the year	Amounts received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality	
Renewals	Sinking fund					Credited	Charged
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1,125.72	1,440.33	18,185.32	1,581.00	16,604.32	16,604.32	see page	187
90.60	104.11	1,734.44	100.75	1,633.69	1,633.69	"	"
378.57	400.25	5,211.04	319.75	4,891.29	4,891.29	"	"
229.75	254.41	3,038.40	221.75	2,816.65	2,816.65	"	"
286.51	307.70	3,707.82	255.00	3,452.82	3,452.82	"	"
538.58	599.69	7,196.06	502.25	6,693.81	6,693.81	"	"
1,037.30	1,029.61	11,672.12	716.50	10,955.62	10,955.62	"	"
175.36	166.41	1,915.22	99.50	1,815.72	1,815.72	"	"
340.00	434.67	6,841.79	468.00	6,373.79	6,373.79	"	"
354.17	384.75	4,656.38	326.00	4,330.38	4,330.38	"	"
434.80	401.96	4,756.52	227.25	4,529.27	4,529.27	"	"
966.78	1,251.03	17,423.28	1,420.00	16,003.28	16,003.28	"	"
920.26	1,093.87	13,932.95	1,072.50	12,860.45	12,860.45	"	"
705.34	698.52	8,278.77	490.25	7,788.52	7,788.52	"	"
65.52	63.77	746.32	41.75	704.57	704.57	"	"
1,161.09	1,234.26	14,738.35	950.00	13,788.35	13,788.35	"	"
1,023.10	1,126.77	14,189.93	973.25	13,216.68	13,216.68	"	"

NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each by the Commission; the amount appropriated from the contingency cost; the amount received by the Commission from each charged to each Municipality in respect of power

Rural power district	Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating	
				Operating, maintenance and administrative expenses	Interest
	\$ c.		\$ c.	\$ c.	\$ c.
Jordan R.P.D. —Grantham, Louth, Pelham and Thorold twps.....	71,985.74	305.2	2,975.68	1,441.93	3,469.94
Keswick R.P.D. —Georgina, Gwillimbury E. and Gwillimbury N. twps.	169,032.48	467.1	4,554.19	4,854.36	7,910.24
Kingsville R.P.D. —Gosfield N., Gosfield S., Mersea and Romney twps....	193,251.54	588.3	5,735.88	3,797.35	9,019.39
Listowel R.P.D. —Elma, Grey, Maryborough, Mornington, Peel, Wallace and Wellesley twps.....	45,628.93	153.3	1,494.66	1,110.71	2,157.83
London R.P.D. —Delaware, Lobo, London, Nissouri W. and Westminster twps.....	441,754.79	1,666.9	16,252.16	9,385.07	21,062.19
L u c a n R.P.D. —Biddulph, Blanchard, London, McGillivray and Stephen twps.....	16,242.47	56.1	546.97	392.18	761.52
Lynden R.P.D. —Ancaster, Beverly, Brantford and Dumfries S. twps.....	48,778.77	166.8	1,626.29	856.72	2,294.02
Markham R.P.D. —Markham, Pickering, Scarboro, Uxbridge and Whitchurch twps.....	131,835.76	432.2	4,213.92	3,289.09	6,219.99
Merlin R.P.D. —Raleigh, Romney, and Tilbury E. twps.....	66,080.02	177.4	1,729.64	1,420.27	3,083.43
Milton R.P.D. —Esquesing, Nassagaweya, Nelson and Trafalgar twps.	46,904.53	151.7	1,479.06	1,553.25	2,206.65
Milverton R.P.D. —Ellice, Elma, Mornington and Wellesley twps.....	23,217.97	76.1	741.97	515.73	1,095.45
Mitchell R.P.D. —Downie, Ellice, Elma, Fullarton, Hibbert, Logan and McKillop twps.....	58,438.61	196.0	1,910.98	1,309.20	2,759.78
Newmarket R.P.D. —Georgina, Gwillimbury E., King, Scott, Uxbridge and Whitchurch twps.....	72,612.79	240.7	2,346.81	1,709.16	3,424.77
Niagara R.P.D. —Niagara and Stamford twps.....	97,714.30	489.2	4,769.66	2,269.10	4,750.64
Norwich R.P.D. —Burford, Dereham, Middleton, Norwich N., Norwich S., Oxford E. and Windham twps.....	79,328.08	268.2	2,614.93	1,746.45	3,709.60
Oil Springs R.P.D. —Brooke, Dawn, Enniskillen and Euphemia twps.....	13,952.08	38.5	375.37	362.29	646.23
Palmerston R.P.D. —Arthur, Maryborough, Minto, Peel and Wallace twps.....	16,080.74	50.7	494.32	417.60	757.83
Petrolia R.P.D. —Enniskillen, Moore, Plympton and Sarnia twps.....	9,805.18	29.3	285.67	219.51	458.10

SYSTEM

N.—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to it reserve of the system and proportionately applied in reduction of such Municipality; and the amount remaining to be credited or supplied to it in the year ending October 31, 1935.

costs & fixed charges		Total cost of power for year	Amount appropriated from contingency reserve and proportionately applied in reduction of such cost	Amounts charged to each municipality in respect of power supplied to it in the year	Amounts received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality	
Renewals	Sinking fund					Credited	Charged
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
529.59	680.60	9,097.74	763.00	8,334.74	8,334.74	see page	187
1,573.98	1,661.45	20,554.22	1,167.75	19,386.47	19,386.47	"	"
1,761.70	1,885.65	22,199.97	1,470.75	20,729.22	20,729.22	"	"
396.70	441.63	5,601.53	383.25	5,218.28	5,218.28	"	"
3,527.46	4,229.17	54,456.05	4,167.25	50,288.80	50,288.80	see page	189
139.33	156.80	1,996.80	140.25	1,856.55	1,856.55	"	"
425.00	471.33	5,673.36	417.00	5,256.36	5,256.36	"	"
1,086.99	1,278.00	16,087.99	1,080.50	15,007.49	15,007.49	"	"
654.80	650.96	7,539.10	443.50	7,095.60	7,095.60	"	"
421.95	455.56	6,116.47	379.25	5,737.22	5,737.22	"	"
205.44	225.21	2,783.80	190.25	2,593.55	2,593.55	"	"
508.90	565.83	7,054.69	490.00	6,564.69	6,564.69	"	"
593.72	703.57	8,778.03	601.75	8,176.28	8,176.28	"	"
592.94	904.85	13,287.19	1,223.00	12,064.19	12,064.19	"	"
691.15	766.42	9,528.55	670.50	8,858.05	8,858.05	"	"
135.75	137.15	1,656.79	96.25	1,560.54	1,560.54	"	"
146.14	156.55	1,972.44	126.75	1,845.69	1,845.69	"	"
90.92	95.71	1,149.91	73.25	1,076.66	1,076.66	"	"

NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each by the Commission; the amount appropriated from the contingency cost; the amount received by the Commission from each charged to each Municipality in respect of power

Rural power district	Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating	
				Operating, maintenance and administrative expenses	Interest
	\$ c.		\$ c.	\$ c.	\$ c.
Preston R.P.D. —Dumfries N., Guelph, Puslinch, Waterloo and Woolwich twps.....	233,315.82	894.8	8,724.23	4,456.93	11,113.25
Ridgetown R.P.D. —Aldborough, Harwich, Howard, Orford and Rondeau Park twps.....	97,595.50	270.6	2,638.33	2,754.81	4,523.77
St. Jacobs R.P.D. —Peel, Waterloo, Wellesley and Woolwich twps.....	65,392.71	236.3	2,303.89	1,245.30	3,093.02
St. Mary's R.P.D. —Blanshard, Downie, Fullarton, Nissouri E., Nissouri W. and Usborne twps.....	70,163.16	217.4	2,119.63	1,967.91	3,292.84
St. Thomas R.P.D. —Dunwich, Southwold, Westminster and Yarmouth twps.....	174,366.10	667.6	6,509.06	3,900.40	8,224.05
Saltfleet R.P.D. —Barton, Binbrook, Grimsby N. and Saltfleet twps.....	255,363.22	910.5	8,877.32	4,947.28	12,073.88
Sandwich R.P.D. —Anderdon, Colchester N., Maidstone, Sandwich E., Sandwich S., and Sandwich W. twps.....	261,296.62	926.6	9,034.26	5,048.89	12,327.28
Sarnia R.P.D. —Moore, Plympton and Sarnia twps.....	168,224.60	533.6	5,202.56	3,880.09	7,902.44
Scarboro R.P.D. —Pickering, Scarboro and York N. twps.....	109,358.55	361.1	3,520.70	1,853.31	5,172.47
Seaforth R.P.D. —Hibbert, Hullett, McKillop and Tuckersmith twps.....	18,921.00	62.1	605.47	439.31	894.56
Simcoe R.P.D. —Charlotteville, Townsend, Walpole, Windham and Woodhouse twps.....	59,363.18	225.2	2,195.68	1,867.06	2,830.73
Stamford R.P.D. —Stamford and Thorold twps.....	37,846.98	174.4	1,700.38	778.80	1,830.94
Stratford R.P.D. —Downie, Easthope N., Ellice and Easthope S. twps.....	40,509.45	160.5	1,564.86	956.17	1,922.06
Strathroy R.P.D. —Adelaide, Caradoc, Ekfrid, Lobo, Metcalfe and Williams E. twps.....	32,475.06	103.3	1,007.16	954.60	1,500.85
Streetsville R.P.D. —Chinguacousy, Esquesing, Toronto and Trafalgar twps.....	90,190.89	308.6	3,008.82	2,372.81	4,249.92
Tavistock R.P.D. —Easthope N., Easthope S., Ellice and Zorra E. twps.....	50,970.31	174.4	1,700.39	1,121.41	2,405.43
Thamesville R.P.D. —Camden, Chatham, Euphemia, Harwich, Howard, Orford and Zone twps.....	31,513.30	105.0	1,023.74	779.95	1,484.64

SYSTEM

N.—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to it reserve of the system and proportionately applied in reduction of such Municipality; and the amount remaining to be credited or supplied to it in the year ending October 31, 1935.

costs & fixed charges		Total cost of power for year	Amount appropriat- ed from contingency reserve and pro- portionate- ly applied in reduc- tion of such cost	Amounts charged to each municipality in respect of power supplied to it in the year	Amounts received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality	
Renewals	Sinking fund					Credited	Charged
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1,840.97	2,229.93	28,365.31	2,237.00	26,128.31	26,128.31	see page	189
949.33	958.25	11,824.49	676.50	11,147.99	11,147.99	"	"
541.89	628.53	7,812.63	590.75	7,221.88	7,221.88	"	"
634.66	683.70	8,698.74	543.50	8,155.24	8,155.24	"	"
1,344.36	1,645.75	21,623.62	1,669.00	19,954.62	19,954.62	"	"
2,177.12	2,459.90	30,535.50	2,276.25	28,259.25	28,259.25	"	"
2,128.77	2,516.49	31,055.69	2,316.50	28,739.19	28,739.19	"	"
1,503.49	1,636.11	20,124.69	1,334.00	18,790.69	18,790.69	"	"
897.10	1,059.99	12,503.57	902.75	11,600.82	11,600.82	"	"
167.34	183.55	2,290.23	155.25	2,134.98	2,134.98	"	"
473.78	568.07	7,935.32	563.00	7,372.32	7,372.32	"	"
253.33	354.30	4,917.75	436.00	4,481.75	4,481.75	"	"
306.40	385.90	5,135.39	401.25	4,734.14	4,734.14	"	"
285.75	309.22	4,057.58	258.25	3,799.33	3,799.33	"	"
778.12	870.41	11,280.08	771.50	10,508.58	10,508.58	"	"
437.25	492.52	6,157.00	436.00	5,721.00	5,721.00	"	"
273.43	305.17	3,866.93	262.50	3,604.43	3,604.43	"	"

NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each by the Commission; the amount appropriated from the contingency cost; the amount received by the Commission from each charged to each Municipality in respect of power

Rural power district	Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating	
				Operating, maintenance and administrative expenses	Interest
	\$ c.		\$ c.	\$ c.	\$ c.
Tilbury R.P.D.—Dover, Mersea, Rochester, Romney, Tilbury E., Tilbury N. and Tilbury W. twps.....	51,885.91	166.8	1,626.29	1,167.14	2,448.17
Tillsonburg R.P.D.—Bayham, Dereham, Dorchester S., Houghton, Malahide, Middleton, Norwich N., Norwich S. and Walsingham N. twps.....	99,818.88	328.6	3,203.83	2,182.20	4,668.04
Wallaceburg R.P.D.—Chatham, Dover and Sombra twps.	65,620.23	209.3	2,040.66	1,696.27	3,072.01
Walsingham R.P.D.—Charlotteville, Houghton, Middleton, Walsingham N., Walsingham S. and Windham twps.....	81,644.08	211.1	2,058.21	1,630.69	3,798.66
Walton R.P.D.—Grey, Hullett, McKillop, Morris, Wawanosh E. and Wawanosh W. twps.....	33,927.50	85.4	832.64	909.49	1,572.44
Waterdown R.P.D.—Flamboro E., Flamboro W. and Nelson twps.....	222,712.67	794.6	7,747.29	1,445.19	10,216.54
Waterford R.P.D.—Townsend, and Windham twps.....	55,730.49	206.6	2,014.34	1,244.40	2,656.69
Watford R.P.D.—Adelaide, Metcalfe and Warwick twps...	8,386.00	21.4	208.65	183.57	388.91
Welland R.P.D.—Bertie, Crowland, Humberstone, Moulton, Pelham, Thorold, Wainfleet and Willoughby twps.....	257,725.22	1,110.8	10,830.22	6,735.60	12,324.10
Woodbridge R.P.D.—Albion, Chinguacousy, Etobicoke, King, Toronto, Toronto Gore, Vaughan, and York N. twps.....	157,586.59	537.6	5,241.56	2,854.73	7,406.73
Woodstock R.P.D.—Blandford, Blenheim, Burford, Oxford E., Oxford N., Oxford W., Zorra E. and Zorra W. twps.....	146,963.97	555.8	5,419.01	3,179.01	6,976.38
Totals—Rural power districts	7,545,306.99	26,347.8	256,889.06	168,528.72	356,219.72
Totals—Municipalities.....	144,489,216.85	601,235.4	5,862,002.07	2,746,353.77	6,922,536.16
Totals—Rural power districts	7,545,306.99	26,347.8	256,889.06	168,528.72	356,219.72
Totals—Companies.....	45,398,792.54	211,942.8	2,066,427.07	909,277.95	2,237,911.35
Totals—Local distribution system	1,374,346.03	4,887.2	47,649.85	79,978.66	74,087.66
	198,807,662.41				
Non-operating capital.....	1,047,150.06				
Grand totals.....	199,854,812.47	844,413.2	8,232,968.05	3,904,139.10	9,590,754.89

SYSTEM

N.—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to it
reserve of the system and proportionately applied in reduction of such
Municipality; and the amount remaining to be credited or
supplied to it in the year ending October 31, 1935.

costs and fixed charges		Total cost of power for year	Amount appropriat- ed from contingency reserve and pro- portionate- ly applied in reduc- tion of such cost	Amounts charged to each municipality in respect of power supplied to it in the year	Amounts received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality	
Renewals	Sinking fund					Credited	Charged
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
461.99	504.18	6,207.77	417.00	5,790.77	5,790.77	see page	189
887.06	967.26	11,908.39	821.50	11,086.89	11,086.89	“	“
588.69	638.96	8,036.59	523.25	7,513.34	7,513.34	“	“
830.54	803.77	9,121.87	527.75	8,594.12	8,594.12	“	“
349.00	335.88	3,999.45	213.50	3,785.95	3,785.95	“	“
1,790.72	2,059.31	23,259.05	1,986.50	21,272.55	21,272.55	“	“
453.71	534.53	6,903.67	516.50	6,387.17	6,387.17	“	“
84.71	82.58	948.42	53.50	894.92	894.92	“	“
1,873.01	2,433.07	34,196.00	2,777.00	31,419.00	31,419.00	“	“
1,355.78	1,523.08	18,381.88	1,344.00	17,037.88	17,037.88	“	“
1,173.46	1,406.60	18,154.46	1,389.50	16,764.96	16,764.96	“	“
63,546.59	72,637.62	917,821.71	65,869.50	851,952.21	851,952.21	“	“
997,619.73	1,369,167.18	17,897,678.91	1,503,088.50	16,394,590.41	16,297,159.27	151,720.66	249,151.80
63,546.59	72,637.62	917,821.71	65,869.50	851,952.21	851,952.21		
287,876.66	449,193.93	5,950,686.96		5,950,686.96	4,647,981.44		* 1,302,705.52
16,654.95	10,791.06	229,162.18		229,162.18	221,994.49		* 7,167.69
1,365,697.93	1,901,789.79	24,995,349.76	1,568,958.00	23,426,391.76	22,019,087.41	151,720.66	1,559,025.01

*Written off to contingencies reserve.

NIAGARA SYSTEM—

Statement showing the costs of distribution of power within each Rural Power and the amounts remaining to be credited to certain Districts or charged (by annual adjustment) of the actual costs

Rural power district	Total capital cost of each district, Provincial Government grant received and applied thereagainst, and the balance representing the investment by the Commission			Cost of power delivered to districts as shown in "cost of power" table preceding	Cost of operation maintenance and administration
	Total capital cost	Government grant	Commission's investment		
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Acton R.P.D.....	16,097.45	8,048.72	8,048.73	333.32	430.53
Ailsa Craig R.P.D.....	9,527.00	4,763.50	4,763.50	249.88	223.23
Alvinston R.P.D.....	5,607.16	2,803.58	2,803.58	213.49	83.53
Amherstburg R.P.D.	146,232.17	73,030.58	73,201.59	18,989.60	4,792.21
Aylmer R.P.D.....	*205,528.01	101,056.45	104,471.56	9,061.93	5,870.90
Ayr R.P.D.....	*42,917.62	21,423.33	21,494.29	1,349.70	1,536.11
Baden R.P.D.....	*182,275.47	90,770.43	91,505.04	12,431.17	4,973.05
Beamsville R.P.D.....	379,920.81	184,007.86	195,912.95	32,117.07	14,986.40
Belle River R.P.D.....	88,489.26	44,168.47	44,320.79	6,816.25	3,556.46
Blenheim R.P.D.....	*112,266.59	55,059.90	57,206.69	4,747.57	3,640.48
Bond Lake R.P.D.....	365,741.09	182,870.55	182,870.54	34,044.31	14,720.78
Bothwell R.P.D.....	*62,332.01	30,612.64	31,719.37	7,352.66	2,868.69
Brampton R.P.D.....	83,802.71	41,901.35	41,901.36	4,393.34	2,698.42
Brant R.P.D.....	*242,340.94	120,050.66	122,290.28	14,758.02	8,075.38
Brigden R.P.D.....	55,610.71	27,805.35	27,805.36	2,160.53	1,234.73
Burford R.P.D.....	100,819.31	50,409.66	50,409.65	5,285.56	2,834.28
Caledonia R.P.D.....	212,686.71	106,097.43	106,589.28	9,506.70	6,394.46
Chatham R.P.D.....	269,930.02	134,663.83	135,266.19	13,261.02	8,732.53
Chippawa R.P.D.....	63,383.33	31,688.79	31,694.54	2,490.37	2,385.12
Clinton R.P.D.....	128,915.26	63,399.33	65,515.93	5,355.75	4,211.29
Delaware R.P.D.....	*239,175.09	118,583.83	120,591.26	9,023.49	7,133.19
Dorchester R.P.D.....	*210,954.08	104,169.75	106,784.33	10,055.72	6,811.45
Dresden R.P.D.....	36,290.42	18,145.21	18,145.21	1,455.94	706.86
Drumbo R.P.D.....	*107,578.82	53,003.63	54,575.19	3,487.16	3,688.02
Dundas R.P.D.....	258,398.10	125,738.76	132,659.34	16,604.32	7,243.95
Dunnville R.P.D.....	47,023.91	23,511.96	23,511.95	1,633.69	1,259.58
Dutton R.P.D.....	76,029.47	38,014.74	38,014.73	4,891.29	3,523.61
Elmira R.P.D.....	36,076.70	18,038.35	18,038.35	2,816.65	1,275.08
Elora R.P.D.....	87,411.22	43,486.70	43,924.52	3,452.82	4,116.93
Essex R.P.D.....	*143,734.31	70,893.38	72,840.93	6,693.81	4,304.96
Exeter R.P.D.....	*152,576.41	75,556.53	77,019.88	10,955.62	6,804.73
Forest R.P.D.....	*65,006.82	31,756.33	33,250.49	1,815.72	2,306.76
Galt R.P.D.....	84,288.81	42,144.41	42,144.40	6,373.79	3,110.63
Georgetown R.P.D.....	106,791.89	53,395.94	53,395.95	4,330.38	3,121.26
Goderich R.P.D.....	77,030.13	38,249.36	38,780.77	4,529.27	2,385.83
Grantham R.P.D.....	145,256.76	70,248.38	75,008.38	16,003.28	8,384.86
Guelph R.P.D.....	195,830.77	97,888.95	97,941.82	12,860.45	6,983.33
Haldimand R.P.D.....	*122,114.94	59,066.91	63,048.03	7,788.52	4,414.86
Harriston R.P.D.....	*33,001.21	16,220.45	16,780.76	704.57	1,120.42
Harrow R.P.D.....	141,760.37	70,880.19	70,880.18	13,788.35	5,379.21
Ingersoll R.P.D.....	300,764.29	150,382.15	150,382.14	13,216.68	7,677.85
Jordan R.P.D.....	109,601.79	54,597.46	55,004.33	8,334.74	5,009.23
Keswick R.P.D.....	175,223.31	85,034.21	90,189.10	19,386.47	6,868.39
Kingsville R.P.D.....	*303,532.75	149,605.91	153,926.84	20,729.22	10,999.60
Listowel R.P.D.....	122,951.70	61,475.85	61,475.85	5,218.28	4,626.59

Note—Items marked * include portions of transmission lines aggregating \$45,249.91 used for purposes of rural power districts.

RURAL POWER DISTRICTS

N.—RURAL OPERATING

District, the revenue collected from (or charged to) customers within each District, to the Municipalities comprising certain other Districts upon ascertainment in the year ending October 31, 1935

Distribution costs and fixed charges					Revenue from power and light customers in each district	Amounts remaining to be credited to certain districts or charged to the municipalities comprising certain other districts	
Interest	Renewals	Obsolescence and contingencies	Sinking fund	Total cost		Credited	Charged
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
349.95	315.38	157.69	83.02	1,669.89	1,483.75		186.14
211.13	190.27	95.14	50.09	1,019.74	878.77		140.97
124.43	112.14	56.07	29.52	619.18	451.75		167.43
3,225.37	2,903.36	1,451.68	765.21	32,127.43	34,017.92	1,890.49	
4,510.24	3,996.44	1,998.22	1,070.04	26,507.77	30,687.95	4,180.18	
947.13	852.16	426.08	224.71	5,335.89	4,481.68		854.21
3,953.93	3,548.88	1,774.44	938.05	27,619.52	24,643.14		2,976.38
8,486.73	7,282.34	3,641.17	2,013.45	68,527.16	75,740.24	7,213.08	
1,955.74	1,759.52	879.75	463.99	15,431.71	16,852.94	1,421.23	
2,501.68	2,211.64	1,105.83	593.51	14,800.71	17,016.96	2,216.25	
7,913.41	7,131.76	3,565.88	1,877.43	69,253.57	71,069.34	1,815.77	
1,399.55	1,239.17	619.59	332.04	13,811.70	14,331.59	519.89	
1,835.11	1,653.84	826.92	435.37	11,843.00	9,931.23		1,911.77
5,312.95	4,743.37	2,371.69	1,260.48	36,521.89	33,554.50		2,967.39
1,216.11	1,095.99	547.99	288.52	6,543.87	5,418.93		1,124.94
2,194.54	1,977.77	988.89	520.65	13,801.69	13,551.17		250.52
4,613.17	4,147.67	2,073.82	1,094.46	27,830.28	26,574.51		1,255.77
5,837.11	5,248.50	2,624.24	1,384.83	37,088.23	38,779.85	1,691.62	
1,360.00	1,225.55	612.78	322.66	8,396.48	8,072.74		323.74
2,886.98	2,560.91	1,280.46	684.93	16,980.32	15,573.60		1,406.72
5,271.03	4,710.44	2,355.22	1,250.55	29,743.92	31,034.64	1,290.72	
4,672.79	4,158.93	2,079.47	1,108.60	28,886.96	30,510.32	1,623.36	
804.54	725.07	362.54	190.87	4,245.82	4,204.11		41.71
2,353.64	2,089.72	1,044.86	558.39	13,221.79	12,239.63		982.16
5,769.34	4,933.05	2,466.53	1,368.75	38,385.94	40,424.75	2,038.81	
1,018.49	917.89	458.94	241.63	5,530.22	3,833.25		1,696.97
1,676.47	1,510.88	755.44	397.74	12,755.43	10,471.37		2,284.06
792.40	714.13	357.07	187.99	6,143.32	5,697.37		445.95
1,921.79	1,723.21	861.61	455.94	12,532.30	10,702.42		1,829.88
3,188.47	2,834.57	1,417.29	756.46	19,195.56	21,658.36	2,462.80	
3,373.46	3,010.98	1,505.49	800.35	26,450.63	27,934.70	1,484.07	
1,423.06	1,252.62	626.31	337.62	7,762.09	7,217.44		544.65
1,836.12	1,654.76	827.38	435.62	14,238.30	13,013.43		1,224.87
2,354.33	2,121.78	1,060.89	558.56	13,547.20	12,419.35		1,127.85
1,675.37	1,499.25	749.61	397.48	11,236.81	9,048.75		2,188.06
3,256.77	2,744.68	1,372.34	772.66	32,534.59	33,751.90	1,217.31	
4,230.73	3,811.78	1,905.89	1,003.73	30,795.91	27,440.78		3,355.13
2,694.32	2,348.56	1,174.27	639.22	19,059.75	15,376.04		3,683.71
740.49	656.14	328.07	175.68	3,725.37	2,971.03		754.34
3,107.23	2,800.31	1,400.15	737.18	27,212.43	30,505.12	3,292.69	
6,599.05	5,947.22	2,973.61	1,565.61	37,980.02	34,362.66		3,617.36
2,362.22	2,120.75	1,060.38	560.43	19,447.75	17,364.82		2,082.93
3,920.66	3,430.30	1,715.15	930.17	36,251.14	33,094.50		3,156.64
6,693.28	5,936.83	2,968.42	1,587.96	48,915.31	53,071.62	4,156.31	
2,706.96	2,439.58	1,219.79	642.22	16,853.42	15,733.83		1,119.59

Note—For townships included in rural power districts see "Cost of Power" statement preceding.

NIAGARA SYSTEM—

Statement showing the costs of distribution of power within each Rural Power and the amounts remaining to be credited to certain Districts or charged (by annual adjustment) of the actual costs

Rural power district	Total capital cost of each district, Provincial Government grant received and applied thereagainst, and the balance representing the investment by the Commission			Cost of power delivered to districts as shown in "cost of power" table preceding	Cost of operation maintenance and administration
	Total capital cost	Government grant	Commission's investment		
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
London R.P.D.....	*480,003.83	239,415.42	240,588.41	50,288.80	20,382.74
Lucan R.P.D.....	*67,800.59	33,698.88	34,101.71	1,856.55	1,304.25
Lynden R.P.D.....	104,539.47	51,827.28	52,712.19	5,256.36	2,988.29
Markham R.P.D.....	*264,037.85	131,869.82	132,168.03	15,007.49	7,506.15
Merlin R.P.D.....	150,418.49	75,209.24	75,209.25	7,095.60	2,870.61
Milton R.P.D.....	*117,767.97	58,879.34	58,888.63	5,737.22	3,315.58
Milverton R.P.D.....	67,461.08	33,730.54	33,730.54	2,593.55	2,680.89
Mitchell R.P.D.....	112,953.42	56,476.71	56,476.71	6,564.69	4,271.07
Newmarket R.P.D.....	131,931.28	65,965.64	65,965.64	8,176.28	4,942.55
Niagara R.P.D.....	*134,428.97	66,868.94	67,560.03	12,064.19	4,808.39
Norwich R.P.D.....	*196,053.27	95,918.97	100,134.30	8,858.05	6,710.84
Oil Springs R.P.D.....	30,145.46	15,072.73	15,072.73	1,560.54	1,318.54
Palmerston R.P.D.....	*62,186.36	30,672.96	31,513.40	1,845.69	2,075.33
Petrolia R.P.D.....	*26,566.61	12,729.94	13,836.67	1,076.66	1,056.52
Preston R.P.D.....	*354,630.07	176,150.73	178,479.34	26,128.31	9,711.49
Ridgetown R.P.D.....	207,548.10	103,774.05	103,774.05	11,147.99	6,645.74
St. Jacobs R.P.D.....	111,734.16	55,581.35	56,152.81	7,221.88	4,413.28
St. Marys R.P.D.....	204,332.27	102,166.14	102,166.13	8,155.24	5,736.46
St. Thomas R.P.D.....	322,920.46	160,766.48	162,153.98	19,954.62	11,816.93
Saltfleet R.P.D.....	308,288.21	151,304.60	156,983.61	28,259.25	13,593.18
Sandwich R.P.D.....	346,623.18	173,306.88	173,316.30	28,739.19	19,215.29
Sarnia R.P.D.....	*223,247.63	109,452.44	113,795.19	18,790.69	10,416.38
Scarboro R.P.D.....	220,801.77	110,400.88	110,400.89	11,600.82	6,232.73
Seaforth R.P.D.....	31,554.48	15,159.30	16,395.18	2,134.98	1,696.19
Simcoe R.P.D.....	141,223.20	70,441.31	70,781.89	7,372.32	4,117.10
Stamford R.P.D.....	41,370.86	20,685.43	20,685.43	4,481.75	3,857.30
Stratford R.P.D.....	67,119.43	33,298.86	33,820.57	4,734.14	2,790.37
Strathroy R.P.D.....	105,701.28	52,673.87	53,027.41	3,799.33	2,448.71
Streetsville R.P.D.....	194,222.57	97,111.29	97,111.28	10,508.58	5,268.73
Tavistock R.P.D.....	141,553.89	70,760.54	70,793.35	5,721.00	3,579.26
Thamesville R.P.D.....	110,018.20	54,757.61	55,260.59	3,604.43	3,595.10
Tilbury R.P.D.....	*126,722.60	62,633.99	64,088.61	5,790.77	2,787.54
Tillsonburg R.P.D.....	217,814.28	108,907.14	108,907.14	11,086.89	6,177.91
Wallaceburg R.P.D.....	169,152.15	84,192.10	84,960.05	7,513.34	5,794.92
Walsingham R.P.D.....	*228,248.87	113,845.92	114,402.95	8,594.12	5,558.40
Walton R.P.D.....	*84,135.36	40,283.00	43,852.36	3,785.95	3,604.88
Waterdown R.P.D.....	238,716.30	109,004.99	129,711.31	21,272.55	9,646.38
Waterford R.P.D.....	125,297.79	62,648.89	62,648.90	6,387.17	3,104.77
Watford R.P.D.....	24,114.02	12,057.01	12,057.01	894.92	563.32
Welland R.P.D.....	682,357.69	336,819.15	345,538.54	31,419.00	22,906.72
Woodbridge R.P.D.....	*375,265.36	186,684.37	188,580.99	17,037.88	10,474.79
Woodstock R.P.D.....	235,772.20	117,886.10	117,886.10	16,764.96	8,631.45
Total capital.....	13,739,608.73	6,805,812.58	6,933,796.15		
Non-operating capital	30,362.46	15,152.72	15,209.74		
Grand totals.....	13,769,971.19	6,820,965.30	6,949,005.89	851,952.21	474,122.83

Note—Items marked * include portions of transmission lines aggregating \$45,249.91 used for purposes of rural power districts.

RURAL POWER DISTRICTS

N.—RURAL OPERATING

District, the revenue collected from (or charged to) customers within each District, to the Municipalities comprising certain other Districts upon ascertainment in the year ending October 31, 1935

Distribution costs and fixed charges				Total cost	Revenue from power and light customers in each district	Amounts remaining to be credited to certain districts or charged to the municipalities comprising certain other districts	
Interest	Renewals	Obsolescence and contingencies	Sinking fund			Credited	Charged
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
10,519.74	9,457.28	4,728.63	2,495.78	97,872.97	96,937.41		935.56
1,351.48	1,209.93	604.97	320.64	6,647.82	6,495.56		152.26
2,235.39	1,996.89	998.44	530.35	14,005.72	13,055.95		949.77
5,551.17	4,998.04	2,499.02	1,317.00	36,878.87	41,232.97	4,354.10	
3,268.56	2,945.70	1,472.85	775.46	18,428.78	18,131.59		297.19
2,589.88	2,333.87	1,166.94	614.44	15,757.93	15,554.43		203.50
1,489.25	1,342.15	671.07	353.32	9,130.23	8,024.25		1,105.98
2,487.21	2,241.53	1,120.77	590.08	17,275.35	16,684.96		590.39
2,896.99	2,610.84	1,305.42	687.30	20,619.38	20,455.58		163.80
2,942.24	2,637.80	1,318.90	698.04	24,469.56	26,016.78	1,547.22	
4,344.06	3,830.66	1,915.33	1,030.62	26,689.56	26,158.88		530.68
663.10	597.60	298.80	157.32	4,595.90	5,200.51	604.61	
1,380.06	1,226.94	613.47	327.42	7,468.91	5,309.99		2,158.92
611.44	528.91	264.45	145.07	3,683.05	3,667.85		15.20
7,662.92	6,859.43	3,429.72	1,818.00	55,609.87	56,282.45	672.58	
4,572.39	4,120.75	2,060.38	1,084.79	29,632.04	29,445.99		186.05
2,445.31	2,192.35	1,096.17	580.15	17,949.14	17,353.83		595.31
4,487.98	4,044.68	2,022.34	1,064.76	25,511.46	21,877.52		3,633.94
7,087.70	6,359.86	3,179.93	1,681.54	50,080.58	48,201.62		1,878.96
6,808.51	5,918.41	2,959.21	1,615.30	59,153.86	67,082.74	7,928.88	
7,610.94	6,859.06	3,429.53	1,805.68	67,659.69	71,770.24	4,110.55	
4,958.59	4,381.95	2,190.98	1,176.41	41,915.00	46,759.95	4,844.95	
4,752.52	4,283.09	2,141.54	1,127.52	30,138.22	38,310.34	8,172.12	
710.88	615.95	307.98	168.65	5,634.63	4,948.88		685.75
3,054.47	2,745.95	1,372.98	724.67	19,387.49	18,834.47		553.02
911.96	821.88	410.94	216.36	10,700.19	11,743.21	1,043.02	
1,487.83	1,330.44	665.22	352.98	11,360.98	11,664.99	304.01	
2,325.71	2,088.92	1,044.46	551.77	12,258.90	11,749.03		509.87
4,252.65	3,832.59	1,916.29	1,008.93	26,787.77	24,700.05		2,087.72
2,893.18	2,606.91	1,303.46	686.40	16,790.21	16,223.08		567.13
2,416.96	2,168.16	1,084.08	573.42	13,442.15	13,065.67		376.48
2,575.39	2,291.91	1,145.96	611.01	15,202.58	16,109.89	907.31	
4,695.17	4,231.40	2,115.70	1,113.92	29,420.99	28,775.11		645.88
3,560.04	3,193.04	1,596.52	844.61	22,502.47	22,530.08	27.61	
4,570.94	4,108.30	2,054.15	1,084.44	25,970.35	25,840.90		129.45
1,873.00	1,617.18	808.58	444.36	12,133.95	11,879.95		254.00
5,354.84	4,003.79	2,001.89	1,270.42	43,549.87	50,962.00	7,412.13	
2,728.93	2,459.38	1,229.69	647.43	16,557.37	17,247.94	690.57	
532.27	479.69	239.85	126.28	2,836.33	3,050.13	213.80	
15,098.73	13,337.76	6,668.88	3,582.13	93,013.22	96,614.67	3,601.45	
8,056.14	7,222.57	3,611.28	1,911.29	48,313.95	52,969.60	4,655.65	
5,176.21	4,664.93	2,332.46	1,228.04	38,798.05	37,431.37		1,366.68
300,271.00	267,088.56	133,544.28	71,238.47	2,098,217.35	2,123,547.16	89,605.14	64,275.33

Note—For townships included in rural power districts see "Cost of Power" statement preceding.

NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount Credited ending October 31, 1935, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1934		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		\$ c.	\$ c.	\$ c.	\$ c.
Acton.....	Jan. 1913	1,008.44			1,008.44
Agincourt.....	Nov. 1922	151.90			151.90
Ailsa Craig.....	Jan. 1916		156.58	156.58	
Alvinston.....	April 1922		183.30	5,883.80	3,368.12
Amherstburg.....	Nov. 1925	1,334.37			1,334.37
Ancaster twp.....	May 1923	118.23			118.23
Arkona.....	Dec. 1926		130.09	130.09	
Aylmer.....	Mar. 1918	542.19			542.19
Ayr.....	Jan. 1915	67.75			67.75
Baden.....	May 1912	313.34			313.34
Beachville.....	Aug. 1912	227.68			227.68
Belle River.....	Dec. 1922	158.14			158.14
Blenheim.....	Nov. 1915	313.69			313.69
Blyth.....	July 1924	305.39			305.39
Bolton.....	Feb. 1915	67.54			67.54
Bothwell.....	Sept. 1915	53.71		4.08	57.79
Brampton.....	Nov. 1911	1,946.62			1,946.62
Brantford.....	Feb. 1914		6,175.14	6,175.14	
Brantford twp.....	May 1924	243.55			243.55
Bridgeport.....	Mar. 1928		121.08	121.08	
Brigden.....	Jan. 1918		4.80	4.80	
Brussels.....	July 1924	468.67			468.67
Burford.....	June 1915	355.72			355.72
Burgessville.....	Nov. 1916		206.90	206.90	
Caledonia.....	Oct. 1912	189.22			189.22
Campbellville.....	Jan. 1925		112.87	112.87	
Cayuga.....	Nov. 1924		368.84	368.84	
Chatham.....	Feb. 1915	1,633.07			1,633.07
Chippawa.....	Sept. 1919		176.27	176.27	
Clifford.....	May 1924	205.15			205.15
Clinton.....	Mar. 1914	167.41			167.41
Comber.....	May 1915	332.22			332.22
Cottam.....	Nov. 1926		130.10	130.10	
Courtright.....	Dec. 1923	160.36			160.36
Dashwood.....	Sept. 1917	2.08			2.08
Delaware.....	Mar. 1915		127.16	127.16	
Dorchester.....	Dec. 1914		168.53	168.53	
Drayton.....	Mar. 1918	210.73			210.73
Dresden.....	April 1915	903.01			903.01
Drumbo.....	Dec. 1914		8.29	8.29	
Dublin.....	Oct. 1917		644.54		
Dundas.....	Jan. 1911	565.30			565.30
Dunnville.....	June 1918	1,074.19			1,074.19
Dutton.....	Sept. 1915	342.76			342.76
East Windsor.....	Nov. 1922		540.14	540.14	

SYSTEM

N.—CREDIT OR CHARGE

supplied to it to October 31, 1934, the cash receipts and payments thereon, adjustments or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1935

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1935		Accumulated amount standing as a credit or charge on October 31, 1935	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
16.58		2,538.24		2,554.82	
2.73		478.24		480.97	
	3.02	435.80		432.78	
206.58		1,581.91		4,120.87	
21.50		1,239.75		1,261.25	
1.98			121.02		119.04
	2.23	355.19		352.96	
9.74		1,280.26		1,290.00	
1.11		590.79		591.90	
5.08		173.85		178.93	
4.09		608.73		612.82	
2.84		266.19		269.03	
5.64		678.29		683.93	
4.76		529.51		534.27	
1.04		393.18		394.22	
0.99		279.49		280.48	
32.00		3,159.39		3,191.39	
	100.16		3,730.10		3,830.26
4.00		424.40		428.40	
	2.04	185.57		183.53	
	0.08	346.89		346.81	
8.70		699.01		707.71	
6.86		176.76		183.62	
	6.87	55.98		49.11	
3.05		413.89		416.94	
	1.86	76.60		74.74	
	9.80	63.84		54.54	
26.67		3,765.11		3,791.78	
	2.86		236.62		239.48
3.19		430.61		433.80	
2.75		713.45		716.20	
5.42		929.68		935.10	
	2.01	88.27		86.26	
2.13		309.60		311.73	
0.04		470.10		470.14	
	2.27		87.06		89.33
	3.16	259.01		255.85	
3.46		633.29		636.75	
14.74		1,071.01		1,085.75	
	0.14	324.30		324.16	
	25.78	39.81			630.51
10.16		1,134.64		1,144.80	
19.89		1,982.66		2,002.55	
5.45		404.55		410.00	
	8.70	1,881.19		1,872.49	

NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount Credited ending October 31, 1935, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1934		Cash receipts and payments on account of such credits and charges, also adjust- ments made during the year	
		Credit	Charge	Credited	Charged
		\$ c.	\$ c.	\$ c.	\$ c.
Elmira.....	Nov. 1913		244.95	244.95	
Elora.....	Nov. 1914		539.67	549.32	9.65
Embro.....	Jan. 1915	531.74			531.74
Erieau.....	July 1924	245.19			245.19
Erie Beach.....	July 1925		50.34	50.34	
Essex.....	Nov. 1923	158.19			158.19
Etobicoke twp.....	Aug. 1917	1,178.27			1,178.27
Exeter.....	June 1916		362.40	362.40	
Fergus.....	Nov. 1914		145.55	145.55	
Fonthill.....	June 1926	476.46			476.46
Forest.....	Mar. 1917	496.44			496.44
Galt.....	May 1911		6,434.28	6,434.28	
Georgetown.....	Sept. 1913	1,851.17			1,851.17
Glencoe.....	Aug. 1920	209.15			209.15
Goderich.....	Feb. 1914	270.51			270.51
Granton.....	July 1916		221.93	221.93	
Guelph.....	Dec. 1910	2,159.68			2,159.68
Hagersville.....	Sept. 1913	215.40			215.40
Hamilton.....	Feb. 1911		55,409.13	55,409.13	
Harriston.....	July 1916	657.90			657.90
Harrow.....	Nov. 1923	330.93			330.93
Hensall.....	Jan. 1917		35.19	35.19	
Hespeler.....	Feb. 1911	661.16			661.16
Highgate.....	Dec. 1916	143.19			143.19
Humberstone.....	Oct. 1924	129.46			129.46
Ingersoll.....	May 1911		5,956.62	193.59	
Jarvis.....	Feb. 1924		420.74	420.74	
Kingsville.....	Nov. 1923		229.58	229.58	
Kitchener.....	Jan. 1911		3,114.12	3,114.12	
Lambeth.....	April 1915	68.72			68.72
La Salle.....	Nov. 1925		348.99	348.99	
Leamington.....	Nov. 1923		1,150.51	1,150.51	
Listowel.....	June 1916	1,054.61			1,054.61
London.....	Jan. 1911		23,750.54	23,750.54	
London Railway Commission.....	Aug. 1914		7,497.85	7,159.32	
London twp.....	Jan. 1925	42.62			42.62
Long Branch.....	Jan. 1931	719.64			719.64
Lucan.....	Feb. 1915		136.49	136.49	
Lynden.....	Nov. 1915	222.58			222.58
Markham.....	April 1920	359.29			359.29
Merlin.....	Dec. 1922	94.69		3.23	97.92
Merritton.....	Nov. 1920		2,595.12	2,595.12	
Milton.....	April 1913		144.11	144.11	
Milverton.....	June 1916	187.19			187.19
Mimico.....	May 1912		618.75	618.75	

SYSTEM

N.—CREDIT OR CHARGE

supplied to it to October 31, 1934, the cash receipts and payments thereon, adjustments or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1935

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1935		Accumulated amount standing as a credit or charge on October 31, 1935	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
	3.95	2,168.06		2,164.11	
	10.23	544.30		534.07	
8.03		453.92		461.95	
4.12		500.47		504.59	
	1.11	133.78		132.67	
2.84		596.81		599.65	
19.37			24.99		5.62
	5.92	903.53		897.61	
	2.36	2,953.90		2,951.54	
7.94		273.17		281.11	
7.89		1,431.29		1,439.18	
	92.37		4,016.77		4,109.14
33.27		3,470.07		3,503.34	
3.44		931.72		935.16	
4.36		336.89		341.25	
	3.79	61.68		57.89	
38.82		5,073.34		5,112.16	
3.99		196.04		200.03	
	862.26		39,882.21		40,744.47
11.82		1,122.05		1,133.87	
5.44		791.91		797.35	
	0.57	1,054.02		1,053.45	
11.88		1,743.54		1,755.42	
2.28		157.33		159.61	
2.13		277.96		280.09	
	233.86		750.16		6,747.05
	6.92		72.32		79.24
	4.13	401.78		397.65	
	62.79		3,884.81		3,947.60
1.27		126.82		128.09	
	6.62		86.03		92.65
	17.78	354.61		336.83	
17.57		1,934.88		1,952.45	
	395.62		25,232.88		25,628.50
	201.84		4,839.63		5,380.00
0.71		511.07		511.78	
11.83		1,011.16		1,022.99	
	2.18	253.78		251.60	
4.12		608.98		613.10	
6.61		2,012.93		2,019.54	
1.76		502.16		503.92	
	42.66		2,660.78		2,703.44
	2.34	55.81		53.47	
3.12		355.34		358.46	
	13.02		1,151.94		1,164.96

NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount Credited ending October 31, 1935, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1934		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		\$ c.	\$ c.	\$ c.	\$ c.
Mitchell.....	Sept. 1911		561.07	561.07	
Moorefield.....	Mar. 1918	50.71		5.34	56.05
Mount Brydges.....	Mar. 1915	75.80			75.80
Newbury.....	Mar. 1921	98.70			98.70
New Hamburg.....	Mar. 1911	426.58			426.58
New Toronto.....	Feb. 1914	6,604.15			6,604.15
Niagara Falls.....	Dec. 1915		40,461.67	19,152.51	
Niagara-on-the-Lake.....	Aug. 1919	777.60			777.60
Norwich.....	May 1912		370.00	370.00	
Oil Springs.....	Feb. 1918	208.32			208.32
Otterville.....	Feb. 1916		157.31	157.31	
Palmerston.....	July 1916	890.86			890.86
Paris.....	Feb. 1914		565.45	565.45	
Parkhill.....	May 1920		245.01	245.01	
Petrolia.....	May 1916	1,933.00			1,933.00
Plattsville.....	Dec. 1914	58.75			58.75
Point Edward.....	Nov. 1916	1,977.74			1,977.74
Port Colborne.....	Mar. 1920	934.16			934.16
Port Credit.....	Aug. 1912	515.19			515.19
Port Dalhousie.....	Nov. 1912	157.94			157.94
Port Dover.....	Dec. 1921	871.34			871.34
Port Rowan.....	Nov. 1926	207.31		3,717.18	3,924.49
Port Stanley.....	April 1912	1,232.41			1,232.41
Preston.....	Jan. 1911		1,729.99	1,729.99	
Princeton.....	Jan. 1915	226.72			226.72
Queenston.....	Mar. 1921	85.21			85.21
Richmond Hill.....	June 1925	320.37			320.37
Ridgetown.....	Dec. 1915	21.32			21.32
Riverside.....	Nov. 1922	645.15			645.15
Rockwood.....	Sept. 1913	233.98			233.98
Rodney.....	Feb. 1917		557.73	557.73	
St. Catharines.....	April 1914		6,316.28	6,316.28	
St. Clair Beach.....	Nov. 1922	85.49			85.49
St. George.....	Sept. 1915	520.37			520.37
St. Jacobs.....	Sept. 1917		120.47	120.47	
St. Marys.....	May 1911	1,009.07			1,009.07
St. Thomas.....	April 1911		2,230.82	2,230.82	
Sandwich.....	Feb. 1924		927.83	927.83	
Sarnia.....	Dec. 1916	8,738.47			8,738.47
Scarboro twp.....	Aug. 1918	2,682.07			2,682.07
Seaforth.....	Nov. 1911	129.71			129.71
Simcoe.....	Aug. 1915	1,947.99			1,947.99
Springfield.....	Aug. 1917		235.49	235.49	
Stamford twp.....	Nov. 1916		1,877.10		
Stouffville.....	Sept. 1923		10.98	10.98	

SYSTEM

N.—CREDIT OR CHARGE

supplied to it to October 31, 1934, the cash receipts and payments thereon, adjustments or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1935

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1935		Accumulated amount standing as a credit or charge on October 31, 1935	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c. 8.92	\$ c.	\$ c. 465.26	\$ c.	\$ c. 474.18
0.79		142.10		142.89	
1.22		239.08		240.30	
1.77		195.80		197.07	
6.83		53.56		60.39	
87.57		9,896.88		9,983.95	
	1,167.23		26,196.70		48,673.09
12.02		516.67		528.69	
	6.49	277.85		271.36	
3.42		511.28		514.70	
	2.81	410.98		408.17	
14.55		1,095.44		1,109.99	
	9.91		569.92		579.83
	5.77	906.30		900.53	
31.78		2,753.88		2,785.66	
1.09		539.98		541.07	
32.29		4,774.04		4,806.33	
15.36		1,301.67		1,317.03	
8.81		519.84		528.65	
2.63		286.68		289.31	
16.48		1,361.80		1,378.28	
111.47		768.46		879.93	
25.95		1,783.61		1,809.56	
	28.82		1,399.25		1,428.07
4.17		906.59		910.76	
1.46		148.18		149.64	
5.90		476.59		482.49	
0.35		547.94		548.29	
10.39		1,142.00		1,152.39	
3.85		471.16		475.01	
	9.53		61.62		71.15
	115.68		5,977.78		6,093.46
1.38		227.22		228.60	
8.75		954.72		963.47	
	1.89	187.02		185.13	
16.26		2,251.96		2,268.22	
	38.87		1,353.66		1,392.53
	15.15	1,030.52		1,015.37	
143.65		14,636.55		14,780.20	
48.20		3,655.93		3,704.13	
2.33		431.83		434.16	
36.08		2,086.20		2,122.28	
	3.97	380.51		376.54	
	75.08		6,191.64		8,143.82
	0.24	672.79		672.55	

NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount Credited ending October 31, 1935, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1934		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		\$ c.	\$ c.	\$ c.	\$ c.
Stratford.....	Jan. 1911	3,571.67			3,571.67
Strathroy.....	Dec. 1914	1,547.19			1,547.19
Streetsville.....	Dec. 1934				
Sutton.....	Aug. 1923	401.85			401.85
Tavistock.....	Nov. 1916	1,299.71			1,299.71
Tecumseh.....	Nov. 1922	407.36			407.36
Thamesford.....	Feb. 1914	462.10			462.10
Thamesville.....	Oct. 1915	487.30			487.30
Thedford.....	May 1922	162.50			162.50
Thorndale.....	Mar. 1914		79.70	81.82	2.12
Thorold.....	Jan. 1921		910.70	911.97	1.27
Tilbury.....	April 1915	175.96		3.82	179.78
Tillsonburg.....	Aug. 1911		1,193.43	1,193.43	
Toronto.....	June 1911		11,808.48	11,808.48	
Toronto twp.....	Aug. 1913	1,874.00			1,874.00
Trafalgar twp.....	Mar. 1929				
Walkerville.....	Nov. 1914		9,398.53	9,398.53	
Wallaceburg.....	Feb. 1915	1,253.05			1,253.05
Wardsville.....	June 1921	10.74			10.74
Waterdown.....	Nov. 1911	156.86			156.86
Waterford.....	April 1915	429.47			429.47
Waterloo.....	Dec. 1910		3,297.68	3,352.68	55.00
Watford.....	Sept. 1917	903.25			903.25
Welland.....	Sept. 1917		1,380.90	1,380.90	
Wellesley.....	Nov. 1916	27.80			27.80
West Lorne.....	Jan. 1917		313.89	313.89	
Weston.....	Jan. 1911		16.57	16.57	
Wheatley.....	Feb. 1924		112.87	112.87	
Windsor.....	Oct. 1914		21,194.75	21,194.75	
Woodbridge.....	Dec. 1914	289.93			289.93
Woodstock.....	Jan. 1911		2,968.75	2,968.75	
Wyoming.....	Nov. 1916	82.42			82.42
York, East, twp.....	July 1925	1,685.12			1,685.12
York, North, twp.....	Nov. 1923		958.80	958.80	
Zurich.....	Sept. 1917	22.84			22.84
Mimico Asylum.....	Sept. 1913			5.75	5.75
Ontario Reformatory.....	Sept. 1913				
Prison Brick Yard.....					
Toronto Transportation Commission.....	Jan. 1927	983.07			983.07
Totals municipalities.....		75,827.28	228,663.74	208,239.32	83,002.84
RURAL POWER DISTRICT*					
Acton R.P.D.....	Feb. 1928		213.61		
Ailsa Craig R.P.D.....	Sept. 1930		159.93		
Alvinston R.P.D.....	June 1929		608.58	171.27	

Note—For townships included in rural power districts see "Cost of Power" statement preceding.

SYSTEM

N.—CREDIT OR CHARGE

supplied to it to October 31, 1934, the cash receipts and payments thereon, adjustments or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1935

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1935		Accumulated amount standing as a credit or charge on October 31, 1935	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
58.32		4,840.45		4,898.77	
27.81		2,734.93		2,762.74	
		164.27		164.27	
6.61		1,343.97		1,350.58	
20.79		1,649.41		1,670.20	
6.56		926.86		933.42	
7.44		333.47		340.91	
7.80		744.66		752.46	
2.58		433.04		435.62	
	1.30	268.35		267.05	
	17.57		200.53		218.10
3.25		1,230.58		1,233.83	
	19.88	809.48		789.60	
	212.23		85,646.15		85,858.38
30.60		1,359.73		1,390.33	
	151.41		1,476.57		1,476.57
			7,968.43		8,119.84
22.52		4,175.46		4,197.98	
0.19		122.13		122.32	
2.58			29.77		27.19
7.72		459.45		467.17	
	53.67		3,506.09		3,559.76
14.99		1,846.74		1,861.73	
	27.69		2,899.17		2,926.86
0.45		422.47		422.92	
	5.71		80.95		86.66
	0.36		70.71		71.07
	1.79	361.80		360.01	
	445.96		16,590.06		17,036.02
4.83		1,069.23		1,074.06	
	45.87		1,322.77		1,368.64
1.48		317.66		319.14	
25.85		345.83		371.68	
	21.86		336.63		358.49
0.41		582.21		582.62	
		316.35		316.35	
		334.28		334.28	
			30.82		30.82
28.87		1,211.11		1,239.98	
1,586.23	4,638.46	151,720.66	249,151.80	155,422.47	283,505.82
	8.54		186.14		408.29
	6.40		140.97		307.30
	17.49		167.43		622.23

NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount Credited ending October 31, 1935, and the accumulated amount standing

Rural power district*	Date commenced operating	Net credit or charge at October 31, 1934		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		\$ c.	\$ c.	\$ c.	\$ c.
Amherstburg R.P.D.....	Nov. 1923	34,039.22			
Aylmer R.P.D.....	Nov. 1922	16,457.64			
Ayr R.P.D.....	July 1926		818.83		
Baden R.P.D.....	Sept. 1922		2,504.64		
Beamsville R.P.D.....	Jan. 1923	47,994.06			242.56
Belle River R.P.D.....	Dec. 1922	36,078.45			
Blenheim R.P.D.....	July 1924	22,055.42			
Bond Lake R.P.D.....	Mar. 1924	57,609.24			136.50
Bothwell R.P.D.....	Dec. 1923	5,557.83			
Brampton R.P.D.....	Nov. 1923		1,753.92		274.87
Brant R.P.D.....	Oct. 1922		3,228.25		
Brigden R.P.D.....	Jan. 1927		2,734.14		
Burford R.P.D.....	Dec. 1926	2,173.04			
Caledonia R.P.D.....	Oct. 1925		994.04		
Chatham R.P.D.....	May 1922	19,447.21			
Chippawa R.P.D.....	July 1922	3,094.57			
Clinton R.P.D.....	July 1928		1,702.30		34.36
Delaware R.P.D.....	Oct. 1922	3,586.88			
Dorchester R.P.D.....	Dec. 1921	222.14			
Dresden R.P.D.....	May 1928		716.31		
Drumbo R.P.D.....	Aug. 1922		1,751.77		
Dundas R.P.D.....	Jan. 1922	22,851.08			
Dunnville R.P.D.....	July 1928		3,407.87		
Dutton R.P.D.....	Feb. 1926		2,248.68		
Elmira R.P.D.....	June 1926		2,120.84		
Elora R.P.D.....	Jan. 1926		2,089.29		
Essex R.P.D.....	Nov. 1924	24,092.90			54.85
Exeter R.P.D.....	Nov. 1922	12,978.17			
Forest R.P.D.....	Nov. 1926	425.37			
Galt R.P.D.....	Oct. 1922	1,909.04			
Georgetown R.P.D.....	Nov. 1924		781.21		
Goderich R.P.D.....	June 1925		4,294.59		
Grantham R.P.D.....	Nov. 1924		2,235.32		
Guelph R.P.D.....	Jan. 1925		6,363.22		
Haldimand R.P.D.....	Oct. 1925		3,723.60		
Harriston R.P.D.....	Dec. 1929		1,866.20		
Harrow R.P.D.....	Nov. 1923	23,601.54			
Ingersoll R.P.D.....	Oct. 1922		4,136.73		
Jordan R.P.D.....	May 1922	10,641.23			
Keswick R.P.D.....	Mar. 1924		13,974.44		
Kingsville R.P.D.....	Nov. 1923	42,016.57		21.24	
Listowel R.P.D.....	Oct. 1926		2,150.85		
London R.P.D.....	Nov. 1922	17,335.49		41.99	

Note—For townships included in rural power districts see "Cost of Power" statement preceding.

SYSTEM

N.—CREDIT OR CHARGE

supplied to it to October 31, 1934, the cash receipts and payments thereon, adjustments or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1935

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1935		Accumulated amount standing as a credit or charge on October 31, 1935	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1,361.57		1,890.49		37,291.28	
658.31		4,180.18		21,296.13	
	32.75		854.21		1,705.79
	100.19		2,976.38		5,581.21
1,911.58		7,213.08		56,876.16	
1,443.14		1,421.23		38,942.82	
882.22		2,216.25		25,153.89	
2,291.46		1,815.77		61,579.97	
222.31		519.89		6,300.03	
	72.92		1,911.77		4,013.48
	129.13		2,967.39		6,324.77
	109.37		1,124.94		3,968.45
86.92			250.52	2,009.44	
	39.76		1,255.77		2,289.57
777.89		1,691.62		21,916.72	
123.78			323.74	2,894.61	
	68.67		1,406.72		3,212.05
143.48		1,290.72		5,021.08	
8.89		1,623.36		1,854.39	
	28.65		41.71		786.67
	70.07		982.16		2,804.00
914.04		2,038.81		25,803.93	
	136.31		1,696.97		5,241.15
	89.95		2,284.06		4,622.69
	84.83		445.95		2,651.62
	83.57		1,829.88		4,002.74
963.53		2,462.80		27,464.38	
		1,484.07		14,981.37	
519.13			544.65		102.27
17.01			1,224.87	760.53	
76.36			1,127.85		1,940.31
	31.25		2,188.06		6,654.43
	171.78				
	89.41	1,217.31			1,107.42
	254.53		3,355.13		9,972.88
	148.94		3,683.71		7,556.25
	74.65		754.34		2,695.19
944.06		3,292.69		27,838.29	
	165.47		3,617.36		7,919.56
425.65			2,082.93	8,983.95	
	558.98		3,156.64		17,690.06
1,681.02		4,156.31		47,875.14	
	86.03		1,119.59		3,356.47
694.82			935.56	17,136.74	

NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount Credited ending October 31, 1935, and the accumulated amount standing

Rural power district*	Date commenced operating	Net credit or charge at October 31, 1934		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		\$ c.	\$ c.	\$ c.	\$ c.
Lucan R.P.D.	June 1926		36.02		
Lynden R.P.D.	Feb. 1922		1,785.09		
Markham R.P.D.	Dec. 1922	38,897.17			
Merlin R.P.D.	Nov. 1928		1,561.51		
Milton R.P.D.	Jan. 1925	3,926.64			
Milverton R.P.D.	Aug. 1927		4,238.87		
Mitchell R.P.D.	Dec. 1925	2,141.22			36.00
Newmarket R.P.D.	Mar. 1924	6,956.55			
Niagara R.P.D.	Jan. 1922	22,206.87			270.22
Norwich R.P.D.	May 1925	4,789.17		0.26	
Oil Springs R.P.D.	Dec. 1925	3,289.82			
Palmerston R.P.D.	Oct. 1926		4,128.09		
Petrolia R.P.D.	Aug. 1923		92.29		
Preston R.P.D.	April 1922	5,954.83			
Ridgetown R.P.D.	Mar. 1922	516.95			45.26
St. Jacobs R.P.D.	Nov. 1922		1,706.74		184.62
St. Marys R.P.D.	Dec. 1927		2,838.75		
St. Thomas R.P.D.	Aug. 1923	19,881.81			
Saltfleet R.P.D.	Feb. 1922	8,340.92			
Sandwich R.P.D.	July 1922	59,047.02			
Sarnia R.P.D.	June 1923	19,530.17			
Scarboro R.P.D.	Dec. 1923	38,504.25			
Seaforth R.P.D.	Nov. 1927		1,082.41		
Simcoe R.P.D.	Nov. 1922	2,640.84			4.49
Stamford R.P.D.	Mar. 1922	6,955.73			
Stratford R.P.D.	July 1924		1,544.05		
Strathroy R.P.D.	Dec. 1926		385.08		
Streetsville R.P.D.	Nov. 1922	8,223.22			
Tavistock R.P.D.	April 1923		1,078.43		
Thamesville R.P.D.	Nov. 1927	117.21			
Tilbury R.P.D.	Dec. 1923	6,592.53			
Tillsonburg R.P.D.	Dec. 1923	2,641.85			
Wallaceburg R.P.D.	Jan. 1923	9,439.87			
Walsingham R.P.D.	Dec. 1926	4,754.37		2,177.07	
Walton R.P.D.	Nov. 1924	1,558.10			
Waterdown R.P.D.	Oct. 1922	43,330.37			
Waterford R.P.D.	Nov. 1923	611.34			
Watford R.P.D.	Dec. 1929	40.99			
Welland R.P.D.	April 1922	29,736.34		14.25	
Woodbridge R.P.D.	Jan. 1923	16,983.31			
Woodstock R.P.D.	Feb. 1922	8,739.12			
Totals, Rural power districts		780,515.67	87,056.49	2,426.08	1,283.73
Totals, Municipalities		75,827.28	228,663.74	208,239.32	83,002.84
Grand Totals		856,342.95	315,720.23	210,665.40	84,286.57

Note—For townships included in rural power districts see "Cost of Power" statement preceding.

SYSTEM

N.—CREDIT OR CHARGE

supplied to it to October 31, 1934, the cash receipts and payments thereon, adjustments or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1935

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1935		Accumulated amount standing as a credit or charge on October 31, 1935	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
	1.44		152.26		189.72
	71.40		949.77		2,806.26
1,555.89		4,354.10		44,807.16	
	62.46		297.19		1,921.16
157.07			203.50	3,880.21	
	169.55		1,105.98		5,514.40
84.33			590.39	1,599.16	
278.26			163.80	7,071.01	
879.27		1,547.22		24,363.14	
191.58			530.68	4,450.33	
131.59		604.61		4,026.02	
	165.12		2,158.92		6,452.13
	3.69		15.20		111.18
238.19		672.58		6,865.60	
19.33			186.05	304.97	
	73.80		595.31		2,560.47
	113.55		3,633.94		6,586.24
795.27			1,878.96	18,798.12	
333.64		7,928.88		16,603.44	
2,361.88		4,110.55		65,519.45	
781.21		4,844.95		25,156.33	
1,540.17		8,172.12		48,216.54	
	43.30		685.75		1,811.46
105.50			553.02	2,188.83	
278.23		1,043.02		8,276.98	
	61.76	304.01			1,301.80
	15.40		509.87		910.35
328.93			2,087.72	6,464.43	
	43.14		567.13		1,688.70
4.69			376.48		254.58
263.70		907.31		7,763.54	
105.67			645.88	2,101.64	
377.59		27.61		9,845.07	
277.26			129.45	7,079.25	
62.32			254.00	1,366.42	
1,733.21		7,412.13		52,475.71	
24.45		690.57		1,326.36	
1.64		213.80		256.43	
1,189.88		3,601.45		34,541.92	
679.33		4,655.65		22,318.29	
349.56			1,366.68	7,722.00	
31,276.81	3,484.25	89,605.14	64,275.33	887,369.20	139,645.30
1,586.23	4,638.46	151,720.66	249,151.80	155,422.47	283,505.82
32,863.04	8,122.71	241,325.80	313,427.13	1,042,791.67	423,151.12

NIAGARA SYSTEM

SINKING FUND

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder as part of the cost of power delivered thereto, together with its proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon to October 31, 1935

Municipality	Period of years ending Oct. 31, 1935	Amount	Municipality	Period of years ending Oct. 31, 1935	Amount
		\$ c.			\$ c.
Acton.....	18 years	44,796.68	Elmira.....	17 years	55,401.65
Agincourt.....	11 "	6,805.43	Elora.....	16 "	26,637.68
Ailsa Craig.....	15 "	11,148.92	Embro.....	16 "	7,855.35
Alvinston.....	12 "	10,843.14	Erieau.....	12 "	3,910.34
Amherstburg.....	18 "	34,523.13	Erie Beach.....	11 "	962.65
Ancaster twp.....	12 "	10,610.66	Essex.....	12 "	19,692.25
Arkona.....	9 "	3,891.23	Etobicoke twp.....	13 "	122,580.85
Aylmer.....	12 "	28,061.65	Exeter.....	14 "	28,378.77
Ayr.....	16 "	10,014.33	Fergus.....	16 "	37,243.91
Baden.....	18 "	22,691.61	Fonthill.....	10 "	3,785.03
Beachville.....	18 "	28,519.48	Forest.....	13 "	21,046.64
Belle River.....	13 "	6,567.58	Galt.....	19 "	374,184.32
Blenheim.....	15 "	25,665.12	Georgetown.....	17 "	68,202.07
Blyth.....	12 "	6,298.26	Glencoe.....	12 "	13,398.45
Bolton.....	15 "	12,541.24	Goderich.....	16 "	84,930.94
Bothwell.....	15 "	12,873.35	Granton.....	14 "	5,723.35
Brampton.....	19 "	113,992.52	Guelph.....	19 "	449,329.17
Brantford.....	16 "	591,756.29	Hagersville.....	17 "	55,382.54
Brantford twp.....	12 "	20,386.32	Hamilton.....	19 "	2,860,870.37
Bridgeport.....	8 "	3,604.75	Harriston.....	14 "	23,069.80
Brigden.....	13 "	8,440.98	Harrow.....	12 "	14,716.78
Brussels.....	12 "	8,659.54	Hensall.....	14 "	10,772.37
Burford.....	15 "	9,293.09	Hespeler.....	19 "	72,490.92
Burgessville.....	14 "	3,776.88	Highgate.....	14 "	6,970.09
Caledonia.....	18 "	15,119.03	Humberstone.....	12 "	12,691.16
Campbellville.....	11 "	1,547.26	Ingersoll.....	19 "	126,704.09
Cayuga.....	11 "	6,037.63	Jarvis.....	12 "	9,777.44
Chatham.....	15 "	268,596.84	Kingsville.....	12 "	26,356.90
Chippawa.....	13 "	11,744.11	Kitchener.....	19 "	861,513.41
Clifford.....	12 "	4,355.36	Lambeth.....	15 "	6,544.77
Clinton.....	16 "	32,049.85	La Salle.....	10 "	8,857.60
Comber.....	15 "	13,448.48	Leamington.....	12 "	50,497.04
Cottam.....	9 "	2,584.31	Listowel.....	14 "	50,677.46
Courtright.....	12 "	3,817.45	London.....	19 "	1,562,694.08
Dashwood.....	13 "	5,794.50	London Ry. Comm.	16 "	98,426.62
Delaware.....	15 "	2,013.55	London twp.....	11 "	11,142.97
Dorchester.....	16 "	4,992.59	Long Branch.....	5 "	11,322.70
Drayton.....	12 "	8,348.85	Lucan.....	15 "	13,199.17
Dresden.....	15 "	21,667.93	Lynden.....	15 "	9,810.42
Drumbo.....	16 "	4,433.95	Markham.....	12 "	11,759.44
Dublin.....	13 "	4,028.53	Merlin.....	12 "	8,484.64
Dundas.....	19 "	97,408.16	Merritton.....	14 "	73,983.66
Dunnville.....	12 "	40,252.46	Milton.....	17 "	72,484.58
Dutton.....	15 "	13,513.02	Milverton.....	14 "	31,658.83
East Windsor.....	13 "	154,123.72	Mimico.....	18 "	92,975.98

NIAGARA SYSTEM

SINKING FUND

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder as part of the cost of power delivered thereto, together with its proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon to October 31, 1935

Municipality	Period of years ending Oct. 31, 1935	Amount	Municipality	Period of years ending Oct. 31, 1935	Amount
		\$ c.			\$ c.
Mitchell.....	19 years	30,292.26	Stouffville.....	12 years	10,073.35
Moorefield.....	12 "	4,322.29	Stratford.....	19 "	411,213.54
Mount Brydges.....	15 "	4,971.44	Strathroy.....	16 "	57,928.75
Newbury.....	12 "	3,085.46	Streetsville.....	1 "	323.07
New Hamburg.....	19 "	34,414.41	Sutton.....	12 "	9,496.45
New Toronto.....	16 "	287,587.89	Tavistock.....	14 "	29,788.41
Niagara Falls.....	15 "	391,915.26	Tecumseh.....	13 "	16,640.54
Niagara-on-the-Lake	12 "	20,377.55	Thamesford.....	16 "	11,546.16
Norwich.....	18 "	25,524.35	Thamesville.....	15 "	11,573.87
Oil Springs.....	12 "	17,440.98	Theford.....	12 "	6,090.54
Otterville.....	14 "	5,687.26	Thorndale.....	16 "	6,044.80
Palmerston.....	14 "	29,233.25	Thorold.....	13 "	60,100.10
Paris.....	16 "	77,622.54	Tilbury.....	15 "	30,388.08
Parkhill.....	12 "	12,473.95	Tillsonburg.....	19 "	57,850.63
Petrolia.....	14 "	69,753.22	Toronto.....	19 "	12,696,300.68
Plattsville.....	16 "	6,120.36	Toronto twp.....	17 "	64,425.83
Point Edward.....	13 "	34,055.22	Trafalgar twp.....	1 "	1,249.09
Port Colborne.....	14 "	61,272.86	Walkerville.....	16 "	438,548.75
Port Credit.....	18 "	25,107.63	Wallaceburg.....	15 "	124,582.56
Port Dalhousie.....	14 "	21,595.00	Wardsville.....	12 "	2,360.92
Port Dover.....	12 "	16,113.81	Waterdown.....	19 "	15,899.46
Port Rowan.....	9 "	4,358.57	Waterford.....	15 "	21,357.55
Port Stanley.....	18 "	26,895.65	Waterloo.....	19 "	173,062.02
Preston.....	19 "	182,297.31	Watford.....	13 "	14,642.13
Princeton.....	16 "	5,830.00	Welland.....	13 "	183,617.94
Queenston.....	12 "	4,555.37	Wellesley.....	14 "	11,684.20
Richmond Hill.....	11 "	11,186.50	West Lorne.....	14 "	18,823.10
Ridgetown.....	15 "	28,171.06	Weston.....	19 "	153,149.95
Riverside.....	13 "	54,296.53	Wheatley.....	12 "	8,239.77
Rockwood.....	17 "	7,671.74	Windsor.....	16 "	1,278,943.90
Rodney.....	13 "	8,648.11	Woodbridge.....	16 "	19,690.31
St. Catharines.....	14 "	362,391.74	Woodstock.....	19 "	257,764.65
St. Clair Beach.....	13 "	4,402.90	Wyoming.....	14 "	5,470.06
St. George.....	15 "	9,437.53	York East twp.....	11 "	158,926.51
St. Jacobs.....	13 "	9,801.78	York North twp.....	12 "	72,706.92
St. Marys.....	19 "	92,373.41	Zurich.....	13 "	9,042.51
St. Thomas.....	19 "	323,660.21	Ont. Reformatory....	1 "	789.41
Sandwich.....	12 "	156,222.53	Toronto Trans. Com.	14 "	143,170.46
Sarnia.....	14 "	407,081.90	Sandwich, Windsor		
Scarboro twp.....	12 "	110,929.96	Amherstburg Ry. Co.	13 "	127,701.37
Seaforth.....	19 "	43,835.66	Mimico Asylum.....	1 "	540.96
Simcoe.....	15 "	63,519.60	Prison Brick Yard....	1 "	412.97
Springfield.....	13 "	6,455.42			
Stamford twp.....	14 "	60,956.15	Total—Municipalities.....		\$29,157,047.90

NIAGARA SYSTEM

SINKING FUND

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder as part of the cost of power delivered thereto, together with its proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon to October 31, 1935

Rural power district*	Period of years ending Oct. 31, 1935	Amount	Rural power district*	Period of years ending Oct. 31, 1935	Amount
		\$ c.			\$ c.
Acton R.P.D.	8 years	677.63	Lynden R.P.D.	14 years	11,555.94
Ailsa Craig R.P.D.	6 "	348.50	Markham R.P.D.	13 "	21,569.76
Alvinston R.P.D.	7 "	306.21	Merlin R.P.D.	7 "	9,756.90
Amherstburg R.P.D.	12 "	33,698.82	Milton R.P.D.	11 "	9,092.12
Aylmer R.P.D.	14 "	18,128.44	Milverton R.P.D.	9 "	4,032.48
Ayr R.P.D.	10 "	2,501.99	Mitchell R.P.D.	10 "	10,458.26
Baden R.P.D.	14 "	17,947.14	Newmarket R.P.D.	12 "	13,049.18
Beamsville R.P.D.	13 "	51,987.66	Niagara R.P.D.	14 "	24,535.56
Belle River R.P.D.	13 "	15,856.92	Norwich R.P.D.	11 "	22,205.50
Blenheim R.P.D.	12 "	9,023.11	Oil Springs R.P.D.	10 "	3,371.41
Bond Lake R.P.D.	12 "	41,632.92	Palmerston R.P.D.	9 "	2,652.15
Bothwell R.P.D.	12 "	8,126.23	Petrolia R.P.D.	13 "	1,939.82
Brampton R.P.D.	12 "	6,789.75	Preston R.P.D.	14 "	45,827.25
Brant R.P.D.	14 "	23,158.47	Ridgetown R.P.D.	14 "	22,316.72
Brigden R.P.D.	9 "	3,984.87	St. Jacobs R.P.D.	13 "	14,251.92
Burford R.P.D.	9 "	7,444.31	St. Marys R.P.D.	8 "	13,129.39
Caledonia R.P.D.	11 "	14,669.03	St. Thomas R.P.D.	13 "	32,615.99
Chatham R.P.D.	14 "	26,177.99	Saltfleet R.P.D.	14 "	52,001.55
Chippawa R.P.D.	14 "	7,998.40	Sandwich R.P.D.	14 "	60,052.98
Clinton R.P.D.	8 "	7,933.39	Sarnia R.P.D.	13 "	31,351.59
Delaware R.P.D.	13 "	20,375.65	Scarboro R.P.D.	12 "	16,109.97
Dorchester R.P.D.	14 "	26,207.72	Seaforth R.P.D.	8 "	2,813.48
Dresden R.P.D.	8 "	1,950.45	Simcoe R.P.D.	13 "	10,690.87
Drumbo R.P.D.	14 "	8,456.30	Stamford R.P.D.	14 "	7,926.88
Dundas R.P.D.	14 "	28,117.35	Stratford R.P.D.	12 "	10,945.39
Dunnville R.P.D.	8 "	1,748.13	Strathroy R.P.D.	9 "	5,781.97
Dutton R.P.D.	10 "	5,900.77	Streetsville R.P.D.	13 "	18,560.61
Elmira R.P.D.	10 "	3,006.29	Tavistock R.P.D.	13 "	10,381.60
Elora R.P.D.	10 "	7,093.90	Thamesville R.P.D.	8 "	6,419.26
Essex R.P.D.	11 "	13,930.68	Tilbury R.P.D.	12 "	8,106.30
Exeter R.P.D.	13 "	17,968.39	Tillsonburg R.P.D.	12 "	26,198.32
Forest R.P.D.	9 "	2,800.65	Wallaceburg R.P.D.	13 "	16,295.97
Galt R.P.D.	14 "	8,674.24	Walsingham R.P.D.	9 "	10,291.90
Georgetown R.P.D.	11 "	7,339.99	Walton R.P.D.	11 "	6,334.21
Goderich R.P.D.	11 "	5,797.96	Waterdown R.P.D.	13 "	27,875.68
Grantham R.P.D.	11 "	27,851.16	Waterford R.P.D.	12 "	9,032.06
Guelph R.P.D.	11 "	15,885.09	Watford R.P.D.	6 "	1,256.04
Haldimand R.P.D.	11 "	8,980.71	Welland R.P.D.	14 "	71,320.39
Harriston R.P.D.	6 "	1,294.00	Woodbridge R.P.D.	13 "	38,281.69
Harrow R.P.D.	12 "	17,736.98	Woodstock R.P.D.	14 "	32,479.92
Ingersoll R.P.D.	14 "	20,626.13	Total—Rural power districts		\$1,456,885.43
Jordan R.P.D.	14 "	11,727.30	Total—Municipalities		\$29,157,047.90
Keswick R.P.D.	12 "	21,564.32	Total—Rural power districts		1,456,885.43
Kingsville R.P.D.	12 "	43,568.55	Grand Total		\$30,613,933.33
Listowel R.P.D.	9 "	7,628.33			
London R.P.D.	13 "	74,733.01			
Lucan R.P.D.	10 "	4,660.42			

Note—For townships included in rural power districts see "Cost of Power" statement preceding.

NIAGARA SYSTEM—RURAL LINES

Statement showing Interest, Sinking Fund, Renewals and Contingencies charged by the Commission to the Municipalities which operate the respective rural lines for the year ending October 31, 1935

Operated by	Capital cost	Interest	Sinking fund	Renewals	Contingencies	Total interest, sinking fund, renewals and contingencies charged
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Milton.....	440.82	21.86	7.93	8.82	4.41	43.02
Welland.....	19,617.60	823.94	353.12	392.35	196.18	1,765.59
Totals.....	20,058.42	845.80	361.05	401.17	200.59	1,808.61

NIAGARA SYSTEM—RURAL LINES

Statement showing the total Sinking Fund in respect of each line, together with interest allowed thereon to October 31, 1935

Lines operated by	Period of years ending October 31, 1935	Amount
		\$ c.
Milton.....	22 years	253.54
Welland.....	23 "	12,199.92
Total.....		12,453.46

GEORGIAN BAY

Statement showing the amount to be paid by each Municipality as the Cost—under received by the Commission from each Municipality on account of such cost; upon ascertainment (by annual adjustment) of the actual cost

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system on which interest and fixed charges are payable	Average horse- power supplied in year after cor- rection for power factor	Cost of power pur- chased	Share of operating	
	To Jan. 1 1935	To Oct. 31 1935				Operating, main- tenance and adminis- trative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Alliston.....	58.00	55.00	90,230.16	214.8	330.02	4,511.53	3,972.80
Arthur.....	75.00	72.00	66,256.69	124.3	190.98	2,771.32	2,905.12
Barrie.....	36.00	34.00	566,545.90	2,333.8	3,585.66	25,104.02	24,934.54
Beaverton.....	43.00	42.00	51,442.53	181.0	278.09	2,658.50	2,237.38
Beeton.....	72.00	72.00	53,340.23	95.3	146.42	2,496.42	2,338.87
Bradford.....	68.00	64.00	65,157.86	150.1	230.61	2,932.58	2,873.83
Brechin.....	55.00	55.00	18,791.72	51.7	79.43	785.65	816.06
Cannington.....	45.00	42.00	41,707.83	143.2	220.01	2,182.76	1,817.74
Chatsworth.....	47.00	45.00	14,866.13	50.1	76.97	861.21	646.91
Chesley.....	40.00	37.00	126,888.27	461.4	708.90	5,299.64	5,572.50
Coldwater.....	39.00	37.00	66,455.08	251.5	386.41	3,337.73	2,931.61
Collingwood.....	40.00	40.00	349,942.05	1,220.3	1,874.88	17,346.06	15,231.83
Cookstown.....	55.00	55.00	21,670.84	58.9	90.49	1,009.48	954.42
Creemore.....	55.00	55.00	36,783.45	93.5	143.65	2,012.71	1,609.62
Dundalk.....	42.00	40.00	49,784.63	188.7	289.92	2,507.51	2,191.66
Durham.....	45.00	43.00	83,814.90	284.7	437.41	4,213.66	3,653.91
Elmvale.....	43.00	40.00	39,824.72	145.1	222.93	2,341.44	1,734.47
Elmwood.....	46.00	44.00	16,171.14	54.4	83.58	881.91	710.13
Flesherton.....	48.00	48.00	24,275.55	77.6	119.23	1,429.24	1,066.05
Grand Valley.....	58.00	56.00	40,189.88	100.0	153.64	1,829.68	1,761.98
Gravenhurst.....	27.00	25.00	123,399.72	652.1		6,235.29	5,449.72
Hanover.....	35.00	33.00	249,764.29	1,014.1	1,558.07	10,658.08	10,928.10
Holstein.....	90.00	90.00	10,079.72	15.6	23.97	665.45	439.72
Huntsville.....	28.00	28.00	196,638.45	863.8		8,819.83	8,624.92
Kincardine.....	54.00	50.00	205,854.19	545.3	837.80	7,094.60	9,098.02
Kirkfield.....	60.00	60.00	11,300.22	24.4	37.49	388.49	504.88
Lucknow.....	62.00	60.00	91,682.74	215.7	331.40	3,323.80	4,048.23
Markdale.....	40.00	38.00	39,078.44	148.6	228.31	2,171.10	1,719.78
Meaford.....	46.00	43.00	143,560.59	451.3	693.38	5,776.82	6,346.69
Midland.....	35.00	33.00	616,930.38	2,600.9	3,996.04	27,212.99	26,919.27
Mildmay.....	60.00	54.00	28,167.62	76.1	116.92	1,152.89	1,255.96
Mount Forest.....	50.00	48.00	120,150.42	369.8	568.16	6,469.69	5,267.94
Neustadt.....	70.00	70.00	18,995.79	34.6	53.16	705.33	820.99
Orangeville.....	48.00	47.00	179,889.18	504.6	775.27	7,084.57	7,923.81
Owen Sound.....	36.00	32.00	790,706.85	3,264.5	5,015.60	36,145.46	34,801.93
Paisley.....	60.00	58.00	49,005.34	111.8	171.77	1,802.60	2,161.73
Penetanguishene.....	40.00	38.00	177,417.11	640.3	983.76	8,019.27	7,742.26
Port Elgin.....	40.00	38.00	86,852.92	251.9	387.02	3,723.94	3,867.81
Port McNicoll.....	40.00	38.00	22,259.56	79.6	122.30	917.88	977.54
Port Perry.....	52.00	52.00	78,414.59	210.5	323.41	2,997.95	3,474.99

SYSTEM

G.B.—COST OF POWER

the Power Commission Act—of Power supplied to it by the Commission; the amount and the amount remaining to be credited or charged to each Municipality of power supplied to it in the year ending October 31, 1935

costs and fixed charges			Cost in excess of revenue from power sold to private companies	Total cost of power for year as provided to be paid under Power Commission Act	Amounts received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
Renewals	Obsolescence and contingencies	Sinking fund				Credited	Charged
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1,364.43	297.79	950.15	83.12	11,509.84	11,925.43	415.59	.....
1,070.20	215.39	697.58	48.10	7,898.69	9,016.22	1,117.53	.....
6,548.47	2,115.74	5,966.11	903.11	69,157.65	80,134.51	10,976.86	.....
657.87	189.82	541.68	70.04	6,633.38	7,635.75	1,002.37	.....
871.50	169.71	561.68	36.88	6,621.48	6,864.60	243.12	.....
1,000.85	218.97	688.91	58.08	8,003.83	9,716.51	1,712.68	.....
269.88	68.28	197.88	20.01	2,237.19	2,844.39	607.20	.....
540.72	152.85	439.21	55.41	5,408.70	6,091.75	683.05	.....
192.11	58.73	155.21	19.39	2,010.53	2,275.25	264.72	.....
1,592.26	488.08	1,336.21	178.55	15,176.14	17,311.20	2,135.06	.....
813.72	257.02	699.81	97.32	8,523.62	9,372.04	848.42	.....
4,498.19	1,283.01	3,685.08	472.22	44,391.27	48,810.61	4,419.34	.....
312.72	79.37	228.20	22.79	2,697.47	3,239.45	541.98	.....
544.04	129.19	387.33	36.18	4,862.72	5,140.15	277.43	.....
609.01	187.28	524.26	73.02	6,382.66	7,610.99	1,228.33	.....
1,092.67	318.82	882.50	110.17	10,709.14	12,366.70	1,657.56	.....
499.15	153.51	419.37	56.15	5,427.02	5,887.40	460.38	.....
211.17	65.45	169.88	21.05	2,143.17	2,413.98	270.81	.....
293.51	87.79	255.63	30.03	3,281.48	3,725.60	444.12	.....
598.69	139.08	423.12	38.70	4,944.89	5,637.00	692.11	.....
1,131.70	481.05	1,299.50	252.34	14,849.60	16,545.72	1,696.12	.....
2,917.12	980.18	2,630.14	392.43	30,064.12	33,812.82	3,748.70	.....
169.63	30.39	106.14	6.04	1,441.34	1,407.75	.....	33.59
2,161.19	713.36	2,069.97	334.26	22,723.53	24,187.70	1,464.17	.....
2,999.63	700.03	2,167.72	211.02	23,108.82	27,631.56	4,522.74	.....
176.01	37.37	119.00	9.44	1,272.68	1,461.50	188.82	.....
1,391.63	310.88	965.45	83.47	10,454.86	13,018.57	2,563.71	.....
444.16	143.55	411.52	57.50	5,175.92	5,701.00	525.08	.....
1,946.41	507.34	1,511.76	174.64	16,957.04	19,628.53	2,671.49	.....
7,001.94	2,246.75	6,493.08	1,006.47	74,876.54	86,713.58	11,837.04	.....
389.96	102.34	296.61	29.45	3,344.13	4,186.75	842.62	.....
1,637.86	416.18	1,261.37	143.10	15,764.30	17,887.71	2,123.41	.....
309.01	59.63	200.03	13.39	2,161.54	2,363.05	201.51	.....
2,562.82	623.35	1,893.82	195.26	21,058.90	23,806.74	2,747.84	.....
9,124.48	2,921.05	8,326.66	1,263.26	97,598.44	106,698.36	9,099.92	.....
751.01	167.02	516.04	43.26	5,613.43	6,520.79	907.36	.....
2,234.55	643.64	1,867.41	247.78	21,738.67	24,559.34	2,820.67	.....
1,220.86	302.08	914.60	97.48	10,513.79	9,659.17	.....	854.62
282.09	87.34	234.41	30.80	2,652.36	3,053.47	401.11	.....
1,142.48	262.94	828.66	81.46	9,111.89	10,947.70	1,835.81	.....

GEORGIAN BAY

Statement showing the amount to be paid by each Municipality as the Cost—under received by the Commission from each Municipality on account of such cost; upon ascertainment (by annual adjustment) of the actual cost

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system on which interest and fixed charges are payable	Average horsepower supplied in year after correction for power factor	Cost of power purchased	Share of operating	
	To Jan. 1 1935	To Oct. 31 1935				Operating, maintenance and administrative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Priceville.....	70.00	70.00	4,477.11	15.5	23.81	478.92	195.62
Ripley.....	80.00	75.00	30,404.59	53.6	82.35	1,156.87	1,338.33
Rosseau.....	110.00	100.00	29,737.98	37.4		877.03	1,323.36
Shelburne.....	48.00	46.00	69,292.04	219.8	337.70	3,011.46	3,044.36
Southampton.....	40.00	38.00	73,680.11	218.9	336.32	3,360.94	3,279.28
Stayner.....	44.00	42.00	57,918.23	201.5	309.59	2,927.65	2,543.28
Sunderland.....	61.00	56.00	24,404.97	58.4	89.73	1,107.83	1,059.70
Tara.....	50.00	46.00	25,738.12	80.3	123.37	1,084.48	1,126.39
Teeswater.....	59.00	57.00	42,563.38	101.5	155.95	1,592.79	1,868.83
Thornton.....	75.00	70.00	13,208.66	29.2	44.86	539.34	581.03
Tottenham.....	88.00	88.00	40,798.40	57.3	88.04	1,870.92	1,794.07
Uxbridge.....	55.00	52.00	81,354.66	207.7	319.11	2,927.28	3,590.97
Victoria Harbour.....	44.00	42.00	21,191.66	69.1	106.17	914.32	928.31
Walkerton.....	38.00	36.00	118,408.32	470.8	723.34	5,626.07	5,265.36
Waubauskene.....	44.00	42.00	10,536.63	38.8	59.61	609.09	460.23
Wiarton.....	69.00	65.00	107,467.51	216.5	332.63	3,887.87	4,781.30
Windermere.....	75.00	70.00	18,895.59	40.5		874.07	839.93
Wingham.....	61.00	56.00	138,507.34	310.9	477.67	4,367.72	6,094.05
Woodville.....	58.00	58.00	21,017.69	50.8	78.05	928.00	908.32
Totals—Municipalities.....			5,993,890.67	20,834.4	29,561.36	266,021.73	263,358.44
RURAL POWER DISTRICTS							
Alliston R.P.D.—Essa, Tecumseth and Tossorontio twps.....			25,258.01	71.1	109.23	1,037.67	1,116.88
Arthur R.P.D.—Luther E. and Luther W. twps.....			1,286.07	3.2	4.92	49.58	56.66
Bala R.P.D.—Medora and Wood twps.....			37,379.67	151.7	233.07	1,667.83	1,656.93
Barrie R.P.D.—Innisfil, Oro and Vespra twps.....			82,591.54	274.6	421.90	3,077.82	3,652.15
Baysville R.P.D.—Franklin, Macaulay, McLean, Ridout and Sherbourne twps.....			19,938.49	65.2		985.00	884.76
Beaumaris R.P.D.—Macaulay Medora, Monck and Muskoka twps.....			40,575.52	182.1		1,985.23	1,792.46
Beaverton R.P.D.—Brock, Georgina, Mara and Thorah twps.....			42,235.01	141.0	216.63	2,126.47	1,870.91
Beeton R.P.D.—Tecumseth twp.....			2,798.55	5.0	7.68	117.26	124.44
Bradford R.P.D.—Gwillimbury W., King and Tecumseth twps.....			20,008.00	44.3	68.06	704.36	891.00
Buckskin R.P.D.—Matchedash Medora and Wood twps.....			5,965.80	15.5	23.81	265.32	263.77

SYSTEM

G.B.—COST OF POWER

the Power Commission Act—of Power supplied to it by the Commission; the amount and the amount remaining to be credited or charged to each Municipality of power supplied to it in the year ending October 31, 1935

costs and fixed charges			Cost in excess of revenue from power sold to private companies	Total cost of power for year as provided to be paid under Power Commission Act	Amounts received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
Renewals	Obsolescence and contingencies	Sinking fund				Credited	Charged
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
57.78	17.79	47.15	5.99	827.06	1,087.88	260.82	.....
498.25	96.31	320.17	20.74	3,513.02	4,068.78	555.76	.....
518.12	91.27	313.15	14.47	3,137.40	3,796.82	659.42	.....
935.41	256.45	729.68	85.06	8,400.12	10,187.09	1,786.97	.....
1,025.08	262.04	775.91	84.72	9,124.29	8,395.87	.....	728.42
745.39	219.52	609.88	77.97	7,433.28	8,534.80	1,101.52	.....
368.42	82.15	256.99	22.60	2,987.42	3,316.99	329.57	.....
350.22	98.66	271.04	31.07	3,085.23	3,749.82	664.59	.....
643.26	164.38	448.20	39.28	4,912.69	5,822.41	909.72	.....
204.34	47.52	139.10	11.30	1,567.49	2,062.56	495.07	.....
698.54	125.67	429.61	22.17	5,029.02	5,039.42	10.40	.....
1,201.48	272.30	856.70	80.37	9,248.21	10,913.73	1,665.52	.....
282.23	79.73	223.16	26.74	2,560.66	2,926.21	365.55	.....
1,295.45	449.80	1,246.92	182.19	14,789.13	17,103.09	2,313.96	.....
131.23	42.68	110.96	15.01	1,428.81	1,642.23	213.42	.....
1,705.70	350.12	1,131.66	83.78	12,273.06	14,226.09	1,953.03	.....
294.92	65.75	198.98	15.67	2,289.32	2,848.52	559.20	.....
2,133.04	474.10	1,458.53	120.32	15,125.43	17,617.70	2,492.27	.....
316.26	69.77	221.33	19.66	2,541.39	2,948.30	406.91	.....
76,980.82	21,678.36	63,112.81	8,062.28	728,775.80	824,099.65	96,940.48	1,616.63
359.46	87.76	265.98	27.51	3,004.49	3,004.49	see page	215
19.17	4.45	13.54	1.24	149.56	149.56	"	"
407.15	141.91	393.62	58.70	4,559.21	4,559.21	"	"
1,089.12	325.19	869.74	106.26	9,542.18	9,542.18	"	"
265.17	86.08	209.97	25.23	2,456.21	2,456.21	"	"
438.34	166.16	427.29	70.47	4,879.95	4,879.95	"	"
555.70	155.84	444.73	54.56	5,424.84	5,424.84	"	"
45.73	8.91	29.47	1.93	335.42	335.42	"	"
310.94	68.51	211.52	17.14	2,271.53	2,271.53	"	"
87.55	25.25	62.83	6.00	734.53	734.53	"	"

GEORGIAN BAY

Statement showing the amount to be paid by each Municipality as the Cost—under received by the Commission from each Municipality on account of such cost; upon ascertainment (by annual adjustment) of the actual cost

Rural power district	Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating	
				Operating, maintenance and administrative expenses	Interest
	\$ c.		\$ c.	\$ c.	\$ c.
Bruce R.P.D.—Amabel, Brant, Carri- rick, Culross, Greenock and Sau- geen twps.....	48,147.07	130.5	200.50	1,732.55	2,140.80
Cannington R.P.D.—Brock, Eldon and Mariposa twps.....	14,539.10	45.4	69.75	624.12	635.33
Chatsworth R.P.D.—Holland twp.	3,440.34	7.3	11.22	265.28	152.24
Cookstown R.P.D.—Essa and Innisfil twps.....	294.31	0.8	1.23	11.62	13.01
Creemore R.P.D.—Nottawasaga, Osprey, Sunnidale and Tossoronto twps.....	17,817.01	55.0	84.50	816.28	789.01
Elmvale R.P.D.—Flos, Medonte, Oro and Vespra twps.....	19,140.69	62.3	95.72	692.51	844.41
Flesherton R.P.D.—Artemesia twp.	2,221.09	7.4	11.37	98.57	96.71
Gravenhurst R.P.D.—Muskoka twp.....	5,442.38	26.5		294.79	240.17
Hawkestone R.P.D.—Orillia and Oro twp.....	613.46	82.6	2,878.79	28.95	22.17
Holstein R.P.D.—Bentinck, Egrem- ont and Normanby twps.....					
Huntsville R.P.D.—Brunel, Chaf- fey, Franklin and Sinclair twps.....	17,024.18	65.2		814.34	755.00
Innisfil R.P.D.—Gwillimbury W. and Innisfil twps.....	77,455.40	218.7	336.01	3,003.71	3,395.18
Lucknow R.P.D.—Kinloss twp.					
Mariposa R.P.D.—Brock, Mari- posa and Reach twps.....	45,302.14	144.5	222.01	1,843.41	1,987.89
Markdale R.P.D.—Artemesia, Euphrasia, Glenelg and Holland twps.....	12,352.87	39.4	60.54	640.50	547.21
Meaford R.P.D.—St. Vincent twp.					
Medonte R.P.D.—Baxter and Tay twps.....	4,969.59	18.3	28.12	247.24	219.43
Midland R.P.D.—Tay and Tiny twps.....	9,646.72	34.5	53.01	432.87	389.09
Neustadt R.P.D.—Bentinck twp.					
Nottawasaga R.P.D.—Nottawa- saga twp.....	9,376.73	31.0	47.63	439.48	406.77
Orangeville R.P.D.—Amaranth, Caledon, Erin and Garafraxa E. twp.....	14,547.14	38.7	59.46	522.22	641.24
Owen Sound R.P.D.—Derby, Sara- wak and Sydenham twps.....	8,309.81	32.7	50.24	365.27	369.58

SYSTEM

G.B.—COST OF POWER

the Power Commission Act—of Power supplied to it by the Commission; the amount and the amount remaining to be credited or charged to each Municipality of power supplied to it in the year ending October 31, 1935

costs and fixed charges			Cost in excess of revenue from power sold to private companies	Total cost of power for year as provided to be paid under Power Commission Act	Amounts received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
Renewals	Obsolescence and contingencies	Sinking fund				Credited	Charged
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
685.72	171.98	507.01	50.50	5,489.06	5,489.06	see page	215
197.74	51.93	153.10	17.57	1,749.54	1,749.54	"	"
53.85	15.11	36.23	2.82	536.75	536.75	"	"
4.24	1.07	3.10	0.31	34.58	34.58	"	"
243.63	64.94	187.61	21.28	2,207.25	2,207.25	"	"
255.14	77.96	201.56	24.12	2,191.42	2,191.42	"	"
26.12	8.91	23.40	2.86	267.94	267.94	"	"
54.54	21.71	57.31	10.25	678.77	678.77	"	"
12.27	3.07	6.46	31.96	2,983.67	2,983.67	"	"
206.78	64.76	179.22	25.22	2,045.32	2,045.32	"	"
1,084.51	273.16	806.93	84.63	8,984.18	8,984.18	"	"
609.94	161.96	477.06	55.92	5,358.19	5,358.19	"	"
163.10	51.06	130.08	15.26	1,607.75	1,607.75	"	"
61.88	20.13	52.33	7.08	636.21	636.21	"	"
104.79	32.25	92.39	13.35	1,117.75	1,117.75	"	"
124.01	35.02	98.74	11.99	1,163.64	1,163.64	"	"
211.57	51.57	153.15	14.98	1,654.19	1,654.19	"	"
99.18	31.21	87.51	12.65	1,015.64	1,015.64	"	"

GEORGIAN BAY

Statement showing the amount to be paid by each Municipality as the Cost—under received by the Commission from each Municipality on account of such cost; upon ascertainment (by annual adjustment) of the actual cost

Rural power district	Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating	
				Operating, maintenance and administrative expenses	Interest
	\$ c.		\$ c.	\$ c.	\$ c.
Port Perry R.P.D.—Cartwright, Manvers, Reach and Scugog twps.	46,025.04	108.9	167.32	1,723.06	1,905.88
Ripley R.P.D.—Huron and Kinloss twps.	4,356.15	10.3	15.82	155.55	192.71
Sauble R.P.D.—Amabel and Keppel twps.	7,462.09	15.3	23.51	272.55	331.78
Shelburne R.P.D.—Amaranth, Melancthon and Mulmur twps.	10,283.30	30.0	46.09	360.55	454.39
Sparrow Lake R.P.D.—Matchedash, Morrison, Orillia and Rama twps.	29,397.52	119.9	184.22	1,160.64	1,291.41
Tara R.P.D.—Amabel, Arran, Derby and Keppel twps.	17,845.41	53.5	82.20	741.35	781.26
Thornton R.P.D.—Essa twp.	6,685.14	13.9	21.36	234.30	296.13
Utterson R.P.D.—Cardwell, Humphrey, Medora, and Wood, Stephenson and Watt twps.	17,537.69	48.4		555.65	775.36
Uxbridge R.P.D.—Brock, Georgina, Reach, Scott and Uxbridge twps.	40,257.38	101.6	156.10	1,437.23	1,777.05
Wasaga Beach R.P.D.—Flos, Nottawasaga, Sunnidale and Tiny twps.	49,582.60	172.5	265.03	2,161.48	2,175.04
Wroxeter R.P.D.—Howick, Morris and Turnberry twps.	48,420.28	101.7	156.25	1,449.20	2,141.34
Totals—Rural power districts	866,529.29	2,770.5	6,413.30	35,141.81	38,077.55
Totals—Municipalities	5,993,890.67	20,834.4	29,561.36	266,021.73	263,358.44
Totals—Rural power districts	866,529.29	2,770.5	6,413.30	35,141.81	38,077.55
Totals—Companies and distribution systems	702,659.09	2,152.4	3,306.97	30,012.51	31,305.06
	7,563,079.05				
Non-operating capital	2,667.31				
Grand totals	7,565,746.36	25,757.3	39,281.63	331,176.05	332,741.05

SYSTEM

G.B.—COST OF POWER

the Power Commission Act—of Power supplied to it by the Commission; the amount and the amount remaining to be credited or charged to each Municipality of power supplied to it in the year ending October 31, 1935

costs and fixed charges			Cost in excess of revenue from power sold to private companies	Total cost of power for year as provided to be paid under Power Commission Act	Amounts received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
Renewals	Obsolescence and contingencies	Sinking fund				Credited	Charged
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
639.41	148.13	454.17	42.14	5,080.11	5,080.11	see page	215
66.02	14.79	45.87	3.99	494.75	494.75	"	"
117.83	26.51	78.56	5.92	856.66	856.66	"	"
144.19	39.14	108.30	11.62	1,164.28	1,164.28	"	"
342.25	116.08	309.57	46.40	3,450.57	3,450.57	"	"
244.97	71.29	186.70	20.71	2,128.48	2,128.48	"	"
105.20	24.61	70.40	5.38	757.38	757.38	"	"
251.56	62.95	184.68	18.73	1,848.93	1,848.93	"	"
596.95	135.51	423.93	39.32	4,566.09	4,566.09	"	"
638.12	187.92	522.11	66.75	6,016.45	6,016.45	"	"
759.99	170.65	509.88	39.35	5,226.66	5,226.66	"	"
11,683.83	3,205.44	9,076.10	1,072.10	104,670.13	104,670.13	.....	.....
76,980.82	21,678.36	63,112.81	8,062.28	728,775.80	824,099.65	96,940.48	1,616.63
11,683.83	3,205.44	9,076.10	1,072.10	104,670.13	104,670.13	.....	.....
9,526.12	3,060.11	7,380.45	(9,134.38)	75,456.84	75,456.84	.....	.....
98,190.77	27,943.91	79,569.36	.....	908,902.77	1,004,226.62	96,940.48	1,616.63

GEORGIAN BAY SYSTEM—

Statement showing the costs of distribution of power within each Rural Power and the amounts remaining to be credited to certain Districts or charged to annual adjustment) of the actual costs

Rural power district	Total capital cost of each district, Provincial Government grant received and applied thereagainst, and the balance representing the investment by the Commission			Cost of power delivered to districts as shown in "cost of power" table preceding	Cost of operation maintenance and administration
	Total capital cost	Government grant	Commission's investment		
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Alliston R.P.D.....	40,066.71	19,782.07	20,284.64	3,004.49	1,462.86
Arthur R.P.D.....	*4,303.91	2,105.26	2,198.65	149.56	112.39
Bala R.P.D.....	*78,720.03	38,177.17	40,542.86	4,559.21	3,557.98
Barrie R.P.D.....	127,995.94	63,997.97	63,997.97	9,542.18	4,223.88
Baysville R.P.D.....	73,566.08	36,783.04	36,783.04	2,456.21	1,344.87
Beaumaris R.P.D.....	95,548.78	47,774.39	47,774.39	4,879.95	3,832.82
Beaverton R.P.D.....	*67,005.77	33,156.73	33,849.04	5,424.84	2,569.54
Beeton R.P.D.....	3,018.23	1,509.11	1,509.12	335.42	83.78
Bradford R.P.D.....	37,708.47	18,689.17	19,019.30	2,271.53	786.17
Bruce R.P.D.....	*63,384.48	30,171.47	33,213.01	5,489.06	1,896.87
Buckskin R.P.D.....	4,046.59	2,023.30	2,023.29	734.53	118.26
Cannington R.P.D...	*19,164.48	7,854.51	11,309.97	1,749.54	1,121.44
Chatsworth R.P.D.....	1,497.32	748.66	748.66	536.75	219.60
Cookstown R.P.D.....	721.91	360.96	360.95	34.58	29.16
Creemore R.P.D.....	*46,343.86	22,495.80	23,848.06	2,207.25	1,038.50
Elmvale R.P.D.....	40,217.79	19,975.72	20,242.07	2,191.42	1,214.88
Flesherton R.P.D.....	*5,592.25	2,609.36	2,982.89	267.94	426.26
Gravenhurst R.P.D...	6,938.51	3,469.26	3,469.25	678.77	164.56
Hawkestone R.P.D...	51,578.02	25,789.01	25,789.01	2,983.67	1,061.07
Holstein R.P.D.....	1,900.53	950.26	950.27	.....	3.75
Huntsville R.P.D.....	59,104.62	29,552.31	29,552.31	2,045.32	1,621.35
Innisfil R.P.D.....	102,204.21	51,102.10	51,102.11	8,984.18	3,135.14
Lucknow R.P.D.....	637.09	318.55	318.54	.....	1.57
Mariposa R.P.D.....	80,071.72	40,035.86	40,035.86	5,358.19	2,373.97
Markdale R.P.D.....	*30,044.34	14,896.10	15,148.24	1,607.75	948.34
Meaford R.P.D.....	1,992.72	996.36	996.36	.....	25.89
Medonte R.P.D.....	18,028.74	9,014.37	9,014.37	636.21	323.02
Midland R.P.D.....	42,183.99	21,091.99	21,092.00	1,117.75	754.24
Neustadt R.P.D.....	1,045.12	522.56	522.56	.....	2.34
Nottawasaga R.P.D...	17,443.41	8,721.70	8,721.71	1,163.64	556.50
Orangeville R.P.D.....	35,666.26	17,833.13	17,833.13	1,654.19	458.79
Owen Sound R.P.D...	17,729.15	8,864.57	8,864.58	1,015.64	917.24
Port Perry R.P.D.....	84,008.41	42,004.20	42,004.21	5,080.11	2,868.58
Ripley R.P.D.....	*8,546.64	4,039.86	4,506.78	494.75	154.36
Sauble R.P.D.....	8,808.43	4,404.22	4,404.21	856.66	1,066.33
Shelburne R.P.D.....	26,102.74	12,433.29	13,669.45	1,164.28	946.57
Sparrow Lake R.P.D...	88,684.96	44,342.48	44,342.48	3,450.57	1,727.42
Tara R.P.D.....	30,464.61	15,232.31	15,232.30	2,128.48	1,432.98
Thornton R.P.D.....	9,440.39	4,720.20	4,720.19	757.38	302.81
Utterson R.P.D.....	*48,473.25	23,240.55	25,232.70	1,848.93	1,800.82
Uxbridge R.P.D.....	84,743.12	42,371.56	42,371.56	4,566.09	2,353.14
Wasaga Beach R.P.D...	75,524.88	.....	75,524.88	6,016.45	2,040.43
Wroxeter R.P.D.....	75,791.50	36,515.33	39,276.17	5,226.66	2,140.28
Total capital.....	1,716,059.96	810,676.82	905,383.14	.....	.....
Non-operating capital	8,529.73	4,264.86	4,264.87	.....	.....
Grand totals.....	1,724,589.69	814,941.68	909,648.01	104,670.13	53,270.75

Note—Items marked * include portions of transmission lines aggregating \$10,998.67 used for purposes of rural power districts.

RURAL POWER DISTRICTS

G.B.—RURAL OPERATING

District, the revenues collected from (or charged to) customers within each District, the Municipalities comprising certain other Districts upon ascertainment (by in the year ending October 31, 1935

Distribution costs and fixed charges				Total cost	Revenue from power and light customers in each district	Amounts remaining to be credited to certain districts or charged to the municipalities comprising certain other districts	
Interest	Renewals	Obsolescence and contingencies	Sinking fund			Credited	Charged
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
877.95	775.99	387.99	206.92	6,716.20	6,882.32	166.12	
98.22	86.07	43.03	23.15	512.42	516.28	3.86	
1,786.85	1,552.49	776.25	421.15	12,653.93	11,265.79		1,388.14
2,801.99	2,508.67	1,254.33	660.41	20,991.46	21,759.21	767.75	
1,615.88	1,446.73	723.36	380.85	7,967.90	6,461.85		1,506.05
2,024.18	1,812.28	906.14	477.08	13,932.45	15,179.14	1,246.69	
1,413.82	1,251.98	626.00	333.23	11,619.41	11,828.21	208.80	
67.43	60.37	30.19	15.89	593.08	287.90		305.18
847.09	751.81	375.90	199.66	5,232.16	4,461.64		770.52
1,469.94	1,224.09	612.04	346.46	11,038.46	12,366.43	1,327.97	
90.24	80.79	40.39	21.27	1,085.48	532.50		552.98
499.93	378.49	189.24	117.83	4,056.47	3,926.06		130.41
33.44	29.94	14.97	7.88	842.58	665.22		177.36
15.83	14.17	7.08	3.73	104.55	123.84	19.29	
1,064.20	925.75	462.87	250.82	5,949.39	5,075.21		874.18
891.11	792.49	396.25	210.04	5,696.19	6,638.18	941.99	
130.45	109.32	54.66	30.74	1,019.37	786.92		232.45
152.42	136.46	68.23	35.92	1,236.36	1,207.43		28.93
1,109.70	993.53	496.76	261.54	6,906.27	6,324.39		581.88
42.30	38.02	19.01	10.01	113.09	44.08		69.01
1,205.84	1,079.16	539.58	284.09	6,774.84	5,486.79		1,288.05
2,059.86	1,844.22	922.11	485.49	17,431.00	20,250.86	2,819.86	
14.08	12.74	6.37	3.35	38.11	12.73		25.38
1,756.88	1,572.97	786.48	414.08	12,262.57	14,799.79	2,537.22	
676.02	600.21	300.11	159.33	4,291.76	3,655.28		636.48
44.27	39.86	19.93	10.49	140.44	78.66		61.78
396.91	355.36	177.68	93.55	1,982.73	1,966.94		15.79
568.70	509.17	254.59	134.04	3,338.49	2,976.07		362.42
23.18	20.90	10.45	5.50	62.37	16.04		46.33
387.57	347.00	173.50	91.35	2,719.56	3,115.69	396.13	
788.00	705.51	352.76	185.73	4,144.98	3,631.62		513.36
326.22	292.07	146.03	76.89	2,774.09	2,495.38		278.71
1,726.54	1,545.80	772.90	406.92	12,400.85	13,299.87	899.02	
199.13	168.95	84.47	46.94	1,148.60	730.37		418.23
183.49	164.28	82.14	43.25	2,396.15	1,741.39		654.76
609.86	521.29	260.65	143.74	3,646.39	2,258.23		1,388.16
1,926.77	1,725.07	862.54	454.13	10,146.50	10,385.53	239.03	
680.19	608.99	304.50	160.32	5,365.46	5,198.90		166.56
209.89	187.92	93.96	49.47	1,601.43	1,170.99		430.44
1,107.99	952.16	476.08	261.15	6,447.13	7,086.97	639.84	
1,889.57	1,691.77	845.89	445.86	11,791.82	10,263.25		1,528.57
3,164.77	1,416.73	708.37	745.90	14,092.65	15,644.32	1,551.67	
1,742.38	1,504.77	752.39	410.66	11,777.14	12,543.18	766.04	
38,720.58	32,836.34	16,418.17	9,126.31	255,042.28	255,141.45	14,531.28	14,432.11

Note—For townships included in rural power districts see "Cost of Power" statement preceding.

GEORGIAN BAY

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount Credited ending October 31, 1935, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1934		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		\$ c.	\$ c.	\$ c.	\$ c.
Alliston.....	June 1918	1,202.03			1,202.03
Arthur.....	Dec. 1916	40.16		36.82	76.98
Barrie.....	April 1913	7,197.20			7,197.20
Beaverton.....	Nov. 1914	662.06			662.06
Beeton.....	Aug. 1918	345.15			345.15
Bradford.....	Oct. 1918	1,141.46			1,141.46
Brechin.....	Jan. 1915	98.39			98.39
Cannington.....	Nov. 1914	816.83			816.83
Chatsworth.....	Dec. 1915	186.83		83.41	270.24
Chesley.....	July 1916	3,021.59			3,021.59
Coldwater.....	Mar. 1913	1,158.08		6.09	1,164.17
Collingwood.....	Mar. 1913	621.13			621.13
Cookstown.....	May 1918	376.24			376.24
Creemore.....	Nov. 1914	175.21			175.21
Dundalk.....	Dec. 1915	849.15			849.15
Durham.....	Dec. 1915	2,131.46			2,131.46
Elmvale.....	June 1913	789.81			789.81
Elmwood.....	April 1918	305.83			305.83
Flesherton.....	Dec. 1915	330.32			330.32
Grand Valley.....	Dec. 1916	476.87			476.87
Gravenhurst.....	Nov. 1915	2,859.46			2,859.46
Hanover.....	Sept. 1916	4,006.58			4,006.58
Holstein.....	May 1916		3,133.10	5,332.21	428.98
Huntsville.....	Sept. 1916		489.88	489.88	
Kincardine.....	Mar. 1921	3,616.44			3,616.44
Kirkfield.....	June 1920		93.13		
Lucknow.....	June 1921	1,085.92			1,085.92
Markdale.....	Mar. 1916	958.82			958.82
Meaford.....	Jan. 1924	1,978.39			1,978.39
Midland.....	July 1911	13,039.70			13,039.70
Mildmay.....	Dec. 1932	788.44			788.44
Mount Forest.....	Dec. 1915	1,777.65			1,777.65
Neustadt.....	Dec. 1918		7,222.00	16,247.22	4,907.94
Orangeville.....	July 1916	1,586.50			1,586.50
Owen Sound.....	Dec. 1915	17,371.00			17,371.00
Paisley.....	Sept. 1923	562.56			562.56
Penetanguishene.....	July 1911	2,841.80			2,841.80
Port Elgin.....	Mar. 1931	903.03			903.03
Port McNicholl.....	Jan. 1915	170.27		212.20	382.47
Port Perry.....	Sept. 1922	953.40			953.40
Priceville.....	Mar. 1920	134.06		5,579.48	5,713.54
Ripley.....	Jan. 1921	499.31			499.31
Rosseau.....	July 1931	641.64			641.64
Shelburne.....	July 1916	1,397.62			1,397.62
Southampton.....	Feb. 1931	1,435.33			1,435.33

SYSTEM

G.B.—CREDIT OR CHARGE

supplied to it to October 31, 1934; the cash receipts and payments thereon, adjustments or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1935

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1935		Accumulated amount standing as a credit or charge on October 31, 1935	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
20.69		415.59		436.28	
0.81		1,117.53		1,118.34	
95.44		10,976.86		11,072.30	
9.37		1,002.37		1,011.74	
5.67		243.12		248.79	
18.81		1,712.68		1,731.49	
1.66		607.20		608.86	
13.71		683.05		696.76	
5.21		264.72		269.93	
53.74		2,135.06		2,188.80	
20.81		848.42		869.23	
10.21		4,419.34		4,429.55	
6.76		541.98		548.74	
2.75		277.43		280.18	
14.33		1,228.33		1,242.66	
42.98		1,657.56		1,700.54	
15.58		460.38		475.96	
5.50		270.81		276.31	
6.28		444.12		450.40	
7.91		692.11		700.02	
58.30		1,696.12		1,754.42	
72.01		3,748.70		3,820.71	
86.45			33.59	1,822.99	
	7.87	1,464.17		1,456.30	
60.24		4,522.74		4,582.98	
	3.73	188.82		91.96	
17.73		2,563.71		2,581.44	
17.00		525.08		542.08	
34.37		2,671.49		2,705.86	
199.68		11,837.04		12,036.72	
13.47		842.62		856.09	
30.70		2,123.41		2,154.11	
303.41		201.51		4,622.20	
29.21		2,747.84		2,777.05	
301.80		9,099.92		9,401.72	
9.01		907.36		916.37	
37.68		2,820.67		2,858.35	
15.59			854.62		839.03
3.88		401.11		404.99	
17.13		1,835.81		1,852.94	
152.08		260.82		412.90	
9.86		555.76		565.62	
11.47		659.42		670.89	
23.64		1,786.97		1,810.61	
29.87			728.42		698.55

GEORGIAN BAY

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount Credited ending October 31, 1935, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1934		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
Stayner	Oct. 1913	\$ 908.54	\$	\$	\$ 908.54
Sunderland	Nov. 1914	499.01	.....	.....	499.01
Tara	Feb. 1918	580.55	.....	.....	580.55
Teeswater	Dec. 1920	458.45	.....	.....	458.45
Thornton	Nov. 1918	440.55	.....	.....	440.55
Tottenham	Oct. 1918	.....	264.73	264.73	.....
Uxbridge	Sept. 1922	1,416.91	.....	.....	1,416.91
Victoria Harbour	July 1914	354.98	.....	.....	354.98
Walkerton	Feb. 1931	2,284.84	.....	.....	2,284.84
Waubauskene	Dec. 1914	223.25	.....	.....	223.25
Warton	May 1931	1,419.80	.....	.....	1,419.80
Windermere	June 1930	493.79	.....	.....	493.79
Wingham	Dec. 1920	2,155.54	.....	.....	2,155.54
Woodville	Nov. 1914	105.13	.....	.....	105.13
Total—Municipalities		91,875.06	11,202.84	28,252.04	103,129.98
RURAL POWER DISTRICTS					
Alliston R.P.D.	Nov. 1929	2,567.67	.....	.....	.....
Arthur R.P.D.	Dec. 1929	66.81	.....	.....	.....
Bala R.P.D.	Jan. 1930	.....	1,585.74	.....	.....
Barrie R.P.D.	Aug. 1923	.....	1,980.97	.....	29.60
Baysville R.P.D.	July 1932	.....	4,311.30	.....	.....
Beaumaris R.P.D.	June 1928	.....	240.27	.....	.....
Beaverton R.P.D.	Oct. 1926	.....	7,729.99	.....	36.86
Beeton R.P.D.	Sept. 1926	.....	476.46	.....	.....
Bradford R.P.D.	Aug. 1929	.....	3,198.62	.....	.....
Bruce R.P.D.	Oct. 1931	.....	487.71	.....	.....
Buckskin R.P.D.	July 1928	.....	1,332.76	.....	.....
Cannington R.P.D.	May 1924	2,300.17	.....	.....	.....
Chatsworth R.P.D.	Dec. 1928	139.53	.....	.....	.....
Cookstown R.P.D.	Dec. 1930	136.78	.....	.....	.....
Creemore R.P.D.	Dec. 1930	.....	3,466.48	.....	261.62
Elmvale R.P.D.	Jan. 1924	.....	53.98	.....	.....
Flesherton R.P.D.	Feb. 1922	.....	1,304.95	.....	.....
Gravenhurst R.P.D.	June 1929	.....	135.69	.....	.....
Hawkestone R.P.D.	Aug. 1930	.....	2,039.94	.....	.....
Holstein R.P.D.	Mar. 1929	.....	70.31	.....	.....
Huntsville R.P.D.	Aug. 1931	.....	2,526.00	.....	.....
Innisfil R.P.D.	Feb. 1928	.....	4,132.65	.....	.....
Lucknow R.P.D.	Feb. 1924	.....	25.38	.....	.....
Mariposa R.P.D.	Sept. 1923	9,077.14	.....	.....	.....
Markdale R.P.D.	July 1924	.....	1,599.89	.....	.....

Note—For townships included in rural power districts see "Cost of Power" statement preceding.

SYSTEM

G.B.—CREDIT OR CHARGE

supplied to it to October 31, 1934; the cash receipts and payments thereon, adjustments or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1935

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1935		Accumulated amount standing as a credit or charge on October 31, 1935	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
15.72		1,101.52		1,117.24	
8.54		329.57		338.11	
11.77		664.59		676.36	
7.54		909.72		917.26	
7.91		495.07		502.98	
	4.47	10.40		5.93	
24.52		1,665.52		1,690.04	
6.78		365.55		372.33	
39.57		2,313.96		2,353.53	
3.83		213.42		217.25	
24.28		1,953.03		1,977.31	
6.87		559.20		566.07	
38.46		2,492.27		2,530.73	
1.70		406.91		408.61	
2,090.29	16.07	96,940.48	1,616.63	104,729.93	1,537.58
102.71		166.12		2,836.50	
2.67		3.86		73.34	
	63.43		1,388.14		3,037.81
	80.32	767.75			1,323.14
	172.45		1,506.05		5,989.80
	9.61	1,246.69		996.81	
	310.55	208.80			7,868.60
	19.06		305.18		800.70
	127.94		770.52		4,097.08
	19.51	1,327.97		820.75	
	53.31		552.98		1,939.05
92.01			130.41	2,261.77	
5.58			177.36		32.25
5.47		19.29		161.54	
	146.49		874.18		4,748.77
	2.16	941.99		885.85	
	52.20		232.45		1,589.60
	5.43		28.93		170.05
	81.60		581.88		2,703.42
	2.81		69.01		142.13
	101.04		1,288.05		3,915.09
	165.31	2,819.86			1,478.10
	1.02		25.38		51.78
363.09		2,537.22		11,977.45	
	64.00		636.48		2,300.37

GEORGIAN BAY

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount Credited ending October 31, 1935, and the accumulated amount standing

Rural power district	Date commenced operating	Net credit or charge at October 31, 1934		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		\$ c.	\$ c.	\$ c.	\$ c.
Meaford R.P.D.....	Oct. 1928		61.78		
Medonte R.P.D.....	July 1930		1,368.09		
Midland R.P.D.....	Nov. 1930		416.16		
Neustadt R.P.D.....	Nov. 1926		46.33		
Nottawasaga R.P.D.....	Jan. 1922	1,922.33			
Orangeville R.P.D.....	Aug. 1927		3,027.04		
Owen Sound R.P.D.....	Mar. 1931		421.90		
Port Perry R.P.D.....	Dec. 1922		5,376.90		
Ripley R.P.D.....	Feb. 1922		1,484.04		
Sauble R.P.D.....	Oct. 1931		1,235.92		
Shelburne R.P.D.....	Feb. 1926		3,258.61		
Sparrow Lake R.P.D.....	Oct. 1925		205.34		
Tara R.P.D.....	Jan. 1925		627.83		
Thornton R.P.D.....	Aug. 1930		1,456.52		
Utterson R.P.D.....	June 1930	559.47			
Uxbridge R.P.D.....	Sept. 1925		6,829.77		
Wasaga Beach R.P.D.....	July 1923	14,895.14			
Wroxeter R.P.D.....	Feb. 1929		1,485.57		
Total—Rural power districts.....		31,665.04	64,000.89		328.08
Total—Municipalities.....		91,875.06	11,202.84	28,252.04	103,129.98
Total—Rural power districts.....		31,665.04	64,000.89		328.08
Totals.....		123,540.10	75,203.73	28,252.04	103,458.06

Note—For townships included in rural power districts see "Cost of Power" statement preceding.

SYSTEM

G.B.—CREDIT OR CHARGE

supplied to it to October 31, 1934; the cash receipts and payments thereon, adjustments or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1935

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1935		Accumulated amount standing as a credit or charge on October 31, 1935	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
	2.47		61.78		126.03
	54.72		15.79		1,438.60
	16.65		362.42		795.23
	1.85		46.33		94.51
76.89		396.13		2,395.35	
	121.08		513.36		3,661.48
	16.88		278.71		717.49
	215.08	899.02			4,692.96
	59.86		418.23		1,961.63
	49.44		654.76		1,940.12
	130.34		1,388.16		4,777.11
	8.21	239.03		25.48	
	25.11		166.56		819.50
	58.26		430.44		1,945.22
22.38		639.84		1,221.69	
	273.19		1,528.57		8,631.53
595.81		1,551.67		17,042.62	
	59.42	766.04			778.95
1,266.61	2,570.30	14,531.28	14,432.11	40,699.15	74,567.60
2,090.29	16.07	96,940.48	1,616.63	104,729.93	1,537.58
1,266.61	2,570.30	14,531.28	14,432.11	40,699.15	74,567.60
3,356.90	2,586.37	111,471.76	16,048.74	145,429.08	76,105.18

GEORGIAN BAY SYSTEM

G.B.—SINKING FUND

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder as part of the cost of power delivered thereto, together with its proportionate share of other Sinking Funds, provided out of other revenues of the system, and interest allowed thereon to October 31, 1935

Municipality	Period of years ending Oct. 31, 1935	Amount	Municipality	Period of years ending Oct. 31, 1935	Amount
		\$ c.			\$ c.
Alliston.....	12 years	14,331.27	Stayner.....	17 years	10,756.87
Arthur.....	14 "	13,155.09	Sunderland.....	16 "	7,251.24
Barrie.....	17 "	92,801.51	Tara.....	12 "	5,657.70
Beaverton.....	16 "	14,444.80	Teeswater.....	11 "	7,945.13
Beeton.....	12 "	10,657.49	Thornton.....	12 "	2,222.05
Bradford.....	12 "	11,903.31	Tottenham.....	12 "	6,974.63
Brechin.....	16 "	5,562.91	Uxbridge.....	11 "	10,900.67
Cannington.....	16 "	10,890.55	Victoria Harbour.....	16 "	4,457.95
Chatsworth.....	15 "	2,811.97	Walkerton.....	5 "	7,099.18
Chesley.....	14 "	23,498.03	Waubashene.....	16 "	2,521.03
Coldwater.....	17 "	9,318.31	Wiarton.....	5 "	5,781.66
Collingwood.....	17 "	95,801.86	Windermere.....	6 "	1,187.70
Cookstown.....	12 "	3,386.73	Wingham.....	11 "	22,985.27
Creemore.....	16 "	8,093.08	Woodville.....	16 "	7,227.28
Dundalk.....	15 "	8,017.80			
Durham.....	15 "	21,531.73	Total—Municipalities..		\$1,073,533.56
Elmvale.....	17 "	10,669.25			
Elmwood.....	12 "	2,604.43	RURAL POWER DISTRICTS		
Flesherton.....	15 "	4,499.12	Alliston R.P.D.....	6 years	3,139.05
Grand Valley.....	14 "	8,016.37	Arthur R.P.D.....	6 "	218.73
Gravenhurst.....	15 "	16,021.28	Bala R.P.D.....	6 "	3,846.58
Hanover.....	14 "	55,517.39	Barrie R.P.D.....	13 "	10,255.49
Holstein.....	14 "	1,788.55	Baysville R.P.D.....	4 "	1,997.50
Huntsville.....	14 "	38,179.27	Beaumaris R.P.D.....	8 "	5,613.15
Kincardine.....	11 "	24,910.03	Beaverton R.P.D.....	10 "	4,462.83
Kirkfield.....	11 "	2,135.13	Beeton R.P.D.....	10 "	183.35
Lucknow.....	11 "	11,948.34	Bradford R.P.D.....	7 "	1,885.65
Markdale.....	14 "	6,420.65	Bruce R.P.D.....	5 "	3,255.72
Meaford.....	11 "	16,995.39	Buckskin R.P.D.....	8 "	724.36
Midland.....	17 "	150,526.67	Cannington R.P.D.....	12 "	3,528.64
Mildmay.....	3 "	892.70	Chatsworth R.P.D.....	7 "	380.00
Mount Forest.....	15 "	20,445.00	Cookstown R.P.D.....	5 "	38.31
Neustadt.....	12 "	4,739.25	Creemore R.P.D.....	5 "	2,048.94
Orangeville.....	14 "	27,373.60	Elmvale R.P.D.....	12 "	2,882.03
Owen Sound.....	15 "	129,124.45	Flesherton R.P.D.....	14 "	635.26
Paisley.....	11 "	6,862.12	Gravenhurst R.P.D.....	7 "	779.17
Penetanguishene.....	19 "	43,200.02	Hawkestone R.P.D.....	6 "	1,485.30
Port Elgin.....	5 "	3,876.63	Holstein R.P.D.....	7 "	46.22
Port McNicoll.....	16 "	4,134.47	Huntsville R.P.D.....	5 "	1,710.15
Port Perry.....	11 "	10,191.04	Innisfil R.P.D.....	8 "	7,889.08
Priceville.....	11 "	599.23	Lucknow R.P.D.....	10 "	38.66
Ripley.....	11 "	4,903.43	Mariposa R.P.D.....	13 "	9,164.78
Rosseau.....	5 "	1,520.26	Markdale R.P.D.....	12 "	1,375.89
Shelburne.....	14 "	12,518.27	Meaford R.P.D.....	7 "	66.54
Southampton.....	5 "	3,746.42			

Note—For townships included in rural power districts see "Cost of Power" statement preceding.

GEORGIAN BAY SYSTEM

G.B.—SINKING FUND

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder as part of the cost of power delivered thereto, together with its proportionate share of other Sinking Funds, provided out of other revenues of the system, and interest allowed thereon to October 31, 1935

Rural power district	Period of years ending Oct. 31, 1935	Amount	Rural power district	Period of years ending Oct. 31, 1935	Amount
		\$ c.			\$ c.
Medonte R.P.D.....	6 years	745.71	Thornton R.P.D.....	6 years	700.44
Midland R.P.D.....	5 "	905.88	Utterson R.P.D.....	6 "	2,325.03
Neustadt R.P.D.....	9 "	42.36			
Nottawasaga R.P.D.....	14 "	2,967.93	Uxbridge R.P.D.....	11 "	5,816.95
Orangeville R.P.D.....	9 "	2,297.59	Wasaga Beach R.P.D.....	13 "	10,459.80
Owen Sound R.P.D.....	5 "	558.93	Wroxeter R.P.D.....	7 "	5,948.73
Port Perry R.P.D.....	13 "	5,678.62			
Ripley R.P.D.....	10 "	531.03	Total—Rural power districts....		\$ 117,166.00
Sauble R.P.D.....	5 "	465.12	Total—Municipalities.....		\$1,073,533.56
			Total—Rural power districts....		117,166.00
Shelburne R.P.D.....	10 "	1,411.59			
Sparrow Lake R.P.D.....	11 "	5,817.31	Grand Total		\$1,190,699.56
Tara R.P.D.....	11 "	2,841.60			

Note—For townships included in rural power districts see "Cost of Power" statement preceding.

GEORGIAN BAY SYSTEM—RURAL LINES

Statement showing Interest, Sinking Fund, Renewals and Contingencies charged by the Commission to the Municipalities which operate the respective rural lines for the year ending October 31, 1935

Operated by	Capital cost	Interest	Sinking fund	Renewals	Contingencies	Total interest, sinking fund, renewals and contingencies charged
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Brechin.....	922.02	48.22	16.60	18.44	9.22	92.48
Flesherton.....	1,885.41	105.77	33.94	37.71	18.85	196.27
Totals.....	2,807.43	153.99	50.54	56.15	28.07	288.75

GEORGIAN BAY SYSTEM—RURAL LINES

Statement showing the total Sinking Fund paid in respect of each line, together with interest allowed thereon to October 31, 1935

Lines operated by	Period of years ending October 31, 1935	Amount
		\$ c.
Brechin.....	17 years	362.45
Flesherton.....	18 "	656.13
Total.....		1,018.58

EASTERN ONTARIO

Statement showing the amount to be paid by each Municipality as the Cost—under received by the Commission from each Municipality on account of such cost; upon ascertainment (by annual adjustment) of the actual cost

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system on which interest and fixed charges are payable	Average horse- power supplied in year after cor- rection for power factor	Cost of power pur- chased	Share of operating	
	To Jan. 1 1935	To Oct. 31 1935				Operating, main- tenance and adminis- trative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Alexandria.....	66.00	63.00	89,894.43	193.6	1,541.80	2,026.53	3,950.59
Apple Hill.....	57.00	55.00	11,207.26	31.1	247.68	315.03	494.84
Athens.....	60.00	55.00	28,984.55	78.4	624.37	749.24	1,288.79
Bath.....	80.00	78.00	17,930.48	27.7	220.60	263.08	802.33
Belleville.....	37.00	35.00	767,525.69	3,930.0	31,297.97	27,515.81	34,109.75
Bloomfield.....	61.00	56.00	25,895.95	67.4	536.76	755.78	1,149.47
Bowmanville.....	41.50	38.00	387,569.86	1,772.3	14,114.35	13,238.32	17,331.10
Brighton.....	43.00	40.00	55,274.20	238.6	1,900.18	2,368.01	2,460.65
Brockville.....	34.00	32.00	431,444.90	2,486.8	19,804.53	13,737.41	18,853.29
Cardinal.....	42.00	38.00	27,911.37	151.3	1,204.93	1,272.99	1,245.25
Carleton Place.....	37.00	35.00	226,409.88	1,098.8	8,750.69	7,570.01	9,968.65
Chesterville.....	44.00	44.00	46,452.11	192.3	1,531.45	1,668.44	2,003.01
Cobourg.....	41.00	38.00	293,899.96	1,373.4	10,937.57	10,944.89	13,143.34
Colborne.....	41.00	40.00	30,205.18	124.7	993.09	1,036.81	1,353.39
Deseronto.....	56.00	53.00	44,228.75	122.6	976.37	1,820.33	1,974.04
Finch.....	65.00	61.00	20,223.21	51.4	409.34	577.49	898.92
Hastings.....	52.00	50.00	26,826.67	81.5	649.05	810.18	1,199.83
Havelock.....	53.00	53.00	47,144.21	121.4	966.81	1,325.30	2,088.07
Kemptville.....	42.50	42.00	73,364.50	294.6	2,346.15	2,444.96	3,222.10
Lakefield.....	48.00	46.00	58,800.55	193.5	1,541.01	2,060.59	2,614.72
Lanark.....	50.00	47.00	21,086.29	67.3	535.97	428.70	931.16
Lancaster.....	90.00	80.00	19,016.15	35.2	280.33	555.21	832.91
Lindsay.....	43.00	42.00	416,524.66	1,777.5	14,155.76	15,822.00	18,516.64
Madoc.....	50.00	46.00	40,412.23	147.0	1,170.69	1,686.67	1,800.02
Marmora.....	52.00	49.00	26,439.62	94.2	750.20	937.87	1,175.12
Martintown.....	52.00	50.00	6,288.32	23.0	183.17	311.70	277.00
Maxville.....	66.00	60.00	31,329.56	74.5	593.31	796.10	1,381.79
Napanee.....	40.00	38.00	194,420.74	896.3	7,138.01	7,254.93	8,611.04
Norwood.....	43.00	43.00	22,397.95	91.9	731.88	1,060.44	991.72
Oshawa.....	35.00	36.00	2,454,158.21	11,124.5	88,593.96	77,924.65	109,161.09
Ottawa.....	26.90	25.00	791,555.88	7,300.7	58,141.75	30,102.08	35,253.02
Ottawa.....			964.71	18,824.2	207,065.85	162.68	43.34
Perth.....	35.00	33.00	221,506.63	1,216.0	9,684.05	7,050.50	9,773.62
Peterborough.....	33.00	32.00	1,222,824.86	6,710.2	53,439.10	38,346.18	54,288.70
Pictou.....	48.00	48.00	252,564.07	816.2	6,500.10	7,672.49	11,232.34
Port Hope.....	42.00	39.00	262,115.97	1,245.1	9,915.80	11,956.39	11,671.17
Prescott.....	33.00	32.00	126,956.70	798.0	6,355.16	4,786.08	5,573.17
Richmond.....	55.00	55.00	17,854.26	45.3	360.76	749.33	796.85
Russell.....	64.00	64.00	20,210.17	50.3	400.58	528.66	893.23
Smiths Falls.....	32.00	30.00	256,165.86	1,647.9	13,123.65	9,301.50	11,239.82

SYSTEM

E.O.—COST OF POWER

the Power Commission Act—of Power supplied to it by the Commission; the amount and the amount remaining to be credited or charged to each Municipality of power supplied to it in the year ending October 31, 1935

costs and fixed charges			Cost in excess of revenue from power sold to private companies	Total cost of power for year as provided to be paid under Power Commission Act	Amounts received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
Renewals	Obsolescence and contingencies	Sinking fund				Credited	Charged
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1,556.72	281.62	924.92	420.02	10,702.20	12,308.87	1,606.67	.....
185.40	42.09	114.53	67.47	1,467.04	1,720.99	253.95	.....
482.02	94.60	296.43	170.09	3,705.54	4,384.89	679.35	.....
300.43	52.24	185.67	60.10	1,884.45	2,168.14	283.69	.....
7,095.32	2,490.56	7,635.72	8,526.30	118,671.43	138,845.94	20,174.51	.....
376.58	78.91	265.15	146.23	3,308.88	3,828.56	519.68	.....
4,034.44	1,227.80	3,882.91	3,845.08	57,674.00	68,457.22	10,783.22	.....
605.08	190.38	555.36	517.65	8,597.31	9,682.30	1,084.99	.....
5,499.90	1,643.40	4,248.29	5,395.20	69,182.02	80,419.75	11,237.73	.....
369.74	116.02	276.97	328.25	4,814.15	5,855.59	1,041.44	.....
3,187.69	848.30	2,261.80	2,383.89	34,971.03	38,820.62	3,849.59	.....
689.47	169.56	467.59	417.20	6,946.72	8,462.62	1,515.90	.....
2,997.63	962.30	2,941.18	2,979.65	44,906.56	52,927.44	8,020.88	.....
342.57	105.69	304.11	270.54	4,406.20	5,009.08	602.88	.....
627.08	162.84	451.82	265.99	6,278.47	6,563.05	284.58	.....
340.44	66.25	207.20	111.51	2,611.15	3,173.46	562.31	.....
365.61	88.70	273.37	176.82	3,563.56	4,102.68	539.12	.....
688.29	150.09	482.86	263.38	5,964.80	6,433.75	468.95	.....
1,097.69	260.17	734.37	639.15	10,744.59	12,398.17	1,653.58	.....
770.22	184.05	597.54	419.81	8,187.94	8,980.65	792.71	.....
339.52	75.73	214.49	146.01	2,671.58	3,200.45	528.87	.....
336.47	60.88	196.29	76.37	2,337.96	2,876.81	538.85	.....
4,602.80	1,290.44	4,187.32	3,856.36	62,431.32	74,969.46	12,538.14	.....
499.47	132.25	408.85	318.92	6,016.87	6,868.51	851.64	.....
330.89	94.81	267.69	204.37	3,760.95	4,666.68	905.73	.....
97.11	23.44	63.64	49.90	1,005.96	1,156.52	150.56	.....
533.79	103.77	321.56	161.63	3,891.95	4,551.75	659.80	.....
1,991.03	641.29	1,937.74	1,944.56	29,518.60	34,361.35	4,842.75	.....
255.22	80.39	225.57	199.38	3,544.60	3,950.58	405.98	.....
25,730.67	7,594.70	24,586.86	24,135.06	357,726.99	398,819.43	41,092.44	.....
6,728.21	3,345.47	7,518.73	15,839.16	156,928.42	184,922.83	27,994.41	.....
19.29	4.82	10.16	.....	207,306.14	207,306.14	.....	.....
2,944.93	855.04	2,196.20	2,638.16	35,142.50	40,538.40	5,395.90	.....
10,384.18	3,642.55	12,126.31	14,558.05	186,785.07	215,841.89	29,056.82	.....
3,339.51	755.27	2,568.23	1,770.78	33,838.72	39,175.20	5,336.48	.....
2,630.95	846.81	2,620.79	2,701.30	42,343.21	49,178.64	6,835.43	.....
1,544.99	498.06	1,247.48	1,731.29	21,736.23	25,665.29	3,929.06	.....
300.60	56.52	182.94	98.28	2,545.28	2,493.76	.....	51.52
341.53	66.07	207.17	109.13	2,546.37	3,216.49	670.12	.....
3,110.57	1,021.27	2,512.77	3,575.19	43,884.77	49,981.54	6,096.77	.....

EASTERN ONTARIO

Statement showing the amount to be paid by each Municipality as the Cost—under received by the Commission from each Municipality on account of such cost; upon ascertainment (by annual adjustment) of the actual cost

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating	
	To Jan. 1 1935	To Oct. 31 1935				Operating, maintenance and administrative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Stirling.....	34.50	33.00	40,385.10	232.0	1,847.62	1,407.53	1,794.97
Trenton.....	32.00	30.00	457,108.39	2,797.9	22,282.08	13,014.39	20,425.01
Tweed.....	63.00	59.00	57,250.66	150.4	1,197.76	2,217.53	2,555.35
Warkworth.....	53.00	50.00	18,673.83	60.7	483.41	615.90	830.67
Wellington.....	47.00	45.00	46,824.10	163.4	1,301.29	1,429.74	2,081.74
Westport.....	80.00	75.00	37,385.87	63.0	501.72	702.79	1,673.01
Whitby.....	40.00	38.00	212,488.86	953.9	7,596.73	6,448.37	9,433.89
Williamsburg.....	40.00	36.00	33,231.63	197.7	1,574.46	1,457.51	1,479.05
Winchester.....	40.00	40.00	51,290.18	243.6	1,940.00	1,933.16	2,249.41
Totals—Municipalities			10,070,625.17	70,479.3	618,439.85	339,162.28	447,118.98
RURAL POWER DISTRICT							
Alexandria R.P.D.—Hawkesbury E. and Lochiel twps.....			15,220.23	31.7	252.45	271.69	677.23
Arnprior R.P.D.—Fitzroy and March twps.....					1,069.50		
Belleville R.P.D.—Huntingdon, Sidney, Thurlow and Tyendinaga twps.....			62,376.72	310.1	2,469.60	1,944.78	2,756.41
Bowmanville R.P.D.—Darlington twp.....			24,767.09	110.4	879.21	812.08	1,100.47
Brighton R.P.D.—Brighton, Cramahe and Murray twps.....			5,397.66	23.3	185.56	194.51	239.35
Brockville R.P.D.—Augusta, Elizabethtown, Escott Front, Leeds and Lansdowne Front, Leeds and Lansdowne Rear, Yonge and Escott Rear and Yonge Front twps.....			55,550.66	275.2	2,191.65	1,654.56	2,435.70
Campbellford R.P.D.—Rawdon and Seymour twps.....			11,979.90	65.6	522.43	287.10	527.20
Carleton Place R.P.D.—Ramsay twp.....					14.55		
Chesterville R.P.D.—Cambridge, Finch, Osnabruck, Russell, Williamsburg and Winchester twps.....			54,477.05	191.3	1,523.49	1,376.80	2,409.03
Cobourg R.P.D.—Alnwick, Haldimand, Hamilton and Hope twps.....			55,027.09	248.7	1,980.61	1,681.28	2,425.38
Colborne R.P.D.—Cramahe and Haldimand twps.....			23,813.63	92.9	739.84	616.46	1,055.18
Fenelon Falls R.P.D.—Bexley, Fenelon, Laxton, Digby, Longford, Somerville and Verulam twps.....			18,075.22	66.8	531.99	646.68	806.08

SYSTEM

E.O.—COST OF POWER

the Power Commission Act—of Power supplied to it by the Commission; the amount and the amount remaining to be credited or charged to each Municipality of power supplied to it in the year ending October 31, 1935

costs and fixed charges			Cost in excess of revenue from power sold to private companies	Total cost of power for year as provided to be paid under Power Commission Act	Amounts received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
Renewals	Obsolescence and contingencies	Sinking fund				Credited	Charged
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
320.37	122.57	398.91	503.33	6,395.30	7,720.77	1,325.47	
3,274.52	1,372.72	4,500.59	6,070.15	70,939.46	84,890.98	13,951.52	
829.05	171.78	585.73	326.80	7,883.50	8,981.22	1,097.72	
246.17	61.08	189.85	131.69	2,558.77	3,065.21	506.44	
593.80	147.97	474.79	354.50	6,383.83	7,409.30	1,025.47	
670.77	123.54	386.61	136.68	4,195.12	4,774.65	579.53	
2,249.20	627.65	2,130.83	2,069.53	30,556.20	36,569.31	6,013.11	
418.34	133.60	327.78	428.92	5,819.66	7,258.96	1,439.30	
722.32	197.97	512.80	528.50	8,084.16	9,742.95	1,658.79	
106,998.59	33,363.53	100,216.47	112,067.83	1,757,367.53	1,998,698.84	241,382.83	51.52
264.92	48.61	156.72	68.77	1,740.39	1,740.39	see page	233
				1,069.50	1,069.50	"	"
596.15	205.51	621.62	672.78	9,266.85	9,266.85	"	"
263.81	79.61	248.46	239.52	3,623.16	3,623.16	"	"
59.09	18.59	54.23	50.55	801.88	801.88	"	"
768.16	207.73	554.12	597.06	8,408.98	8,408.98	"	"
102.03	38.60	118.83	142.32	1,738.51	1,738.51	"	"
				14.55	14.55	"	"
851.23	194.23	552.23	415.03	7,322.04	7,322.04	"	"
578.93	183.12	551.63	539.56	7,940.51	7,940.51	"	"
281.43	85.29	240.37	201.55	3,220.12	3,220.12	"	"
221.41	59.79	182.86	144.93	2,593.74	2,593.74	"	"

EASTERN ONTARIO

Statement showing the amount to be paid by each Municipality as the cost—under received by the Commission from each Municipality on account of such cost; upon ascertainment (by annual adjustment) of the actual cost

Rural power district	Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating	
				Operating, maintenance and administrative expenses	Interest
	\$ c.		\$ c.	\$ c.	\$ c.
Iroquois R.P.D. —Gower S., Matilda, Mountain, Oxford, Williamsburg and Winchester twps.....	53,010.94	396.1	3,154.49	1,749.99	2,342.75
Kemptville R.P.D. —Oxford twp.....	5,788.20	21.9	174.41	182.85	256.03
Kingston R.P.D. —Bedford, Ernestown, Hinchbrook, Kingston, Leeds and Lansdowne Front, Loughborough, Oso, Pittsburgh, Portland and Storrington twps.....	77,091.58	325.5	3,659.23	2,037.49	3,412.79
Lakefield R.P.D. —Burleigh and Anstruther, Douro, Harvey and Smith twps.....	10,755.44	40.9	325.72	300.40	478.04
Lindsay R.P.D. —Fenelon, Ops and Verulam twps.....	6,770.56	23.6	187.95	196.13	278.90
Martintown R.P.D. —Charlottenburg and Lancaster twps.....	19,523.41	58.1	462.70	486.12	854.82
Maxville R.P.D. —Caledonia, Kenyon, Plantagenet N., Plantagenet S. and Roxborough twps.....	64,312.78	159.8	1,272.63	1,223.55	2,857.23
Millbrook R.P.D. —Cavan, Manvers and Monaghan S. twps.....	13,092.64	43.4	345.63	509.62	576.02
Napanee R.P.D. —Camden E., Ernestown, Fredericksburg N., Fredericksburg S., Hungerford, Portland, Richmond, Sheffield and Tyendinaga twps.....	53,821.81	204.1	1,625.43	1,286.60	2,380.00
Nepean R.P.D. —Clarence, Cumberland, Gloucester, Goulburn, Gower N., March, Nepean and Osgoode twps.....	81,174.58	613.4	4,885.95	2,567.19	3,569.42
Newcastle R.P.D. —Clarke, Darlington and Manvers twps.....	16,114.47	61.2	487.39	470.57	713.24
Norwood R.P.D. —Asphodel, Belmont and Methuen, Dummer and Seymour twps.....	7,100.43	21.3	169.63	208.03	313.99
Omeme R.P.D. —Emily and Ops twps.....	1,336.92	4.8	38.23	47.42	59.39
Oshawa R.P.D. —Darlington, Pickering, Uxbridge, Whitby and Whitby E. twps.....	159,482.14	709.6	5,651.15	6,242.24	7,061.43
Perth R.P.D. —Bathurst, Burgess N., Dalhousie and Sherbrooke N., Drummond, Elmsley N. and Elmsley S. twps.....	10,401.19	37.1	420.29	415.34	413.91

SYSTEM

E.O.—COST OF POWER

the Power Commission Act—of Power supplied to it by the Commission; the amount and the amount remaining to be credited or charged to each Municipality of power supplied to it in the year ending October 31, 1935

costs and fixed charges			Cost in excess of revenue from power sold to private companies	Total cost of power for year as provided to be paid under Power Commission Act	Amounts received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
Renewals	Obsolescence and contingencies	Sinking fund				Credited	Charged
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
566.76	206.72	513.84	859.36	9,393.91	9,393.91	see page	233
88.28	21.02	58.11	47.51	828.21	828.21	"	"
858.37	248.02	774.94	706.19	11,697.03	11,697.03	"	"
129.34	32.49	108.68	88.73	1,463.40	1,463.40	"	"
76.11	20.84	63.49	51.20	874.62	874.62	"	"
318.09	67.94	199.08	126.05	2,514.80	2,415.80	"	"
1,087.20	220.71	659.33	346.69	7,667.34	7,667.34	"	"
168.10	45.32	131.58	94.16	1,870.43	1,870.43	"	"
646.89	178.64	543.13	442.81	7,103.50	7,103.50	"	"
858.66	351.06	786.17	1,330.80	14,348.33	14,348.33	"	"
193.94	55.47	162.84	132.78	2,216.23	2,216.23	"	"
97.33	24.35	72.39	46.21	931.93	931.93	"	"
16.67	4.61	13.54	10.41	190.27	190.27	"	"
1,700.57	489.10	1,599.53	1,539.51	24,283.53	24,283.53	"	"
140.53	38.75	93.68	80.49	1,602.99	1,602.99	"	"

EASTERN ONTARIO

Statement showing the amount to be paid by each Municipality as the Cost—under received by the Commission from each Municipality on account of such cost; upon ascertainment (by annual adjustment) of the actual cost

Rural Power district	Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating	
				Operating, maintenance and administrative expenses	Interest
	\$ c.		\$ c.	\$ c.	\$ c.
Peterborough R.P.D. —Cavan, Douro, Monaghan N., Monaghan S., Otonabee and Smith twps.....	91,093.82	470.1	3,743.81	3,036.31	4,021.07
Prescott R.P.D. —Augusta, Edwardsburg and Matilda twps.....	20,660.44	120.1	1,118.41	1,009.89	895.97
Renfrew R.P.D. —Admaston, Bromley and Horton twps.....			665.88		
Smiths Falls R.P.D. —Bastard and Burgess S., Crosby S., Kitley, Montague and Wolford twps.....	36,691.46	154.9	1,233.60	887.28	1,620.73
Stirling R.P.D. —Rawdon and Sidney twps.....	8,686.41	45.7	363.95	370.09	381.26
Trenton R.P.D. —Brighton, Murray and Sidney twps.....	39,051.59	222.4	1,771.16	1,514.15	1,738.42
Warkworth R.P.D. —Percy twp... 695.26		3.1	24.69	27.91	30.69
Wellington R.P.D. —Ameliasburg, Athol, Hallowell, Hillier, Murray and Sophiasburg twps.....	56,642.44	194.8	1,551.35	1,444.54	2,488.23
Williamsburg R.P.D. —Matilda and Williamsburg twps.	10,253.56	61.0	485.80	333.83	454.48
Totals—Rural power districts.....	1,170,237.32	5,408.9	46,179.44	36,033.48	51,630.84
Totals—Municipalities.....	10,070,625.17	70,479.3	618,439.85	339,162.28	447,118.98
Totals—Rural power districts.....	1,170,237.32	5,408.9	46,179.44	36,033.48	51,630.84
Totals—Companies.....	5,627,449.25	21,605.5	172,063.19	163,693.39	252,600.66
Totals—Local electric distribution systems.....	137,807.52	285.3	2,272.08	8,066.77	6,179.24
Totals—Local gas distribution system.....	26,487.86			16,440.78	1,190.01
Totals—Pulp mill.....	276,156.97	1,298.5	10,341.07	34,433.93	12,405.35
	17,308,764.09				
Non-operating capital.....	107,993.00				
Grand totals.....	17,416,757.09	99,077.5	849,295.63	602,830.63	771,125.08

SYSTEM

E.O.—COST OF POWER

the Power Commission Act—of Power supplied to it by the Commission; the amount and the amount remaining to be credited or charged to each Municipality of power supplied to it in the year ending October 31, 1935

costs and fixed charges			Cost in excess of revenue from power sold to private companies	Total cost of power for year as provided to be paid under Power Commission Act	Amounts received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
Renewals	Obsolescence and contingencies	Sinking fund				Credited	Charged
\$	c.	\$	c.	\$	c.	\$	c.
836.00		281.44		906.68		1,019.90	
						13,845.21	
263.58		82.73		204.10		260.56	
						3,835.24	
						665.88	
						665.88	
544.62		153.54		369.01		336.07	
						5,144.85	
77.73		27.80		86.27		99.15	
						1,406.25	
314.62		122.84		386.35		482.51	
7.40		2.47		6.97		6.73	
						6,330.05	
						106.86	
713.70		181.59		569.09		422.62	
						7,371.12	
129.08		41.22		101.14		132.34	
						1,677.89	
13,820.73		4,019.75		11,691.01		11,734.85	
						175,110.10	
106,998.59		33,363.53		100,216.47		112,067.83	
13,820.73		4,019.75		11,691.01		11,734.85	
57,600.42		14,335.52		51,146.99		(98,468.81)	
						24,727.23	
2,028.54		268.72		844.76		5,067.12	
						(1,925.37)	
2,799.98		695.49		2,209.32		(28,475.62)	
						15,705.42	
						34,409.52	
183,248.26		52,683.01		166,108.55			
						2,625,291.16	
						2,866,622.47	
						241,382.83	
							51.52

EASTERN ONTARIO SYSTEM

Statement showing the costs of distribution of power within each Rural Power and the amounts remaining to be credited to certain Districts or charged to (by annual adjustment) of the actual costs

Rural power district	Total capital cost of each district, Provincial Government grant received and applied thereagainst, and the balance representing the investment by the Commission			Cost of power delivered to districts as shown in "cost of power" table preceding	Cost of operation maintenance and administration
	Total capital cost	Government grant	Commission's investment		
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Alexandria R.P.D.....	28,935.82	14,467.91	14,467.91	1,740.39	1,157.14
Arnprior R.P.D.....	16,374.79	6,726.35	9,648.44	1,069.50	568.54
Belleville R.P.D.....	153,931.34	76,257.98	77,673.36	9,266.85	4,664.01
Bowmanville R.P.D..	48,549.80	24,274.90	24,274.90	3,623.16	1,213.28
Brighton R.P.D.....	15,602.80	7,801.40	7,801.40	801.88	656.04
Brockville R.P.D.....	*232,091.27	113,825.00	118,266.27	8,408.98	9,300.27
Campbellford R.P.D.	37,503.98	18,751.99	18,751.99	1,738.51	1,444.73
Carleton Place R.P.D.	897.79	448.89	448.90	14.55	21.49
Chesterville R.P.D....	*100,779.64	48,610.89	52,168.75	7,322.04	4,942.43
Cobourg R.P.D.....	202,438.28	100,482.92	101,955.36	7,940.51	4,747.07
Colborne R.P.D.....	61,197.51	30,598.76	30,598.75	3,220.12	2,946.92
Fenelon Falls R.P.D..	67,639.66	33,261.25	34,378.41	2,593.74	1,550.49
Iroquois R.P.D.....	178,977.34	89,145.32	89,832.02	9,393.91	5,757.48
Kemptville R.P.D....	11,466.23	5,586.29	5,879.94	828.21	359.45
Kingston R.P.D.....	292,749.97	142,328.78	150,421.19	11,697.03	11,130.41
Lakefield R.P.D.....	*53,802.35	26,790.50	27,011.85	1,463.40	764.98
Lindsay R.P.D.....	43,097.44	21,548.72	21,548.72	874.62	1,055.53
Martintown R.P.D....	48,578.36	24,289.18	24,289.18	2,514.80	2,087.61
Maxville R.P.D.....	119,945.55	59,972.77	59,972.78	7,667.34	3,506.71
Millbrook R.P.D.....	35,263.18	17,347.69	17,915.49	1,870.43	1,060.85
Napanee R.P.D.....	*214,896.15	104,197.61	110,698.54	7,103.50	4,274.95
Nepean R.P.D.....	*348,399.59	169,801.17	178,598.42	14,348.33	13,219.32
Newcastle R.P.D.....	*43,114.69	20,626.64	22,488.05	2,216.23	908.99
Norwood R.P.D.....	*19,535.66	9,480.34	10,055.32	931.93	623.37
Omeme R.P.D.....	7,242.46	3,621.23	3,621.23	190.27	51.05
Oshawa R.P.D.....	308,212.83	150,662.14	157,550.69	24,283.53	10,929.30
Perth R.P.D.....	33,685.08	16,842.54	16,842.54	1,602.99	1,363.59
Peterborough R.P.D..	*190,557.08	95,167.87	95,389.21	13,845.21	5,879.46
Prescott R.P.D.....	77,095.72	38,366.76	38,728.96	3,835.24	3,224.83
Renfrew R.P.D.....	14,865.20	7,432.60	7,432.60	665.88	827.74
Smiths Falls R.P.D...	*141,086.38	68,391.97	72,694.41	5,144.85	5,847.29
Stirling R.P.D.....	*51,658.49	23,452.50	28,205.99	1,406.25	834.46
Trenton R.P.D.....	*82,575.58	41,194.40	41,381.18	6,330.05	2,329.09
Warkworth R.P.D....	*2,390.45	1,008.45	1,382.00	106.86	138.20
Wellington R.P.D....	*190,714.05	94,730.30	95,983.75	7,371.12	5,558.44
Williamsburg R.P.D..	38,008.84	19,004.42	19,004.42	1,677.89	1,577.01
Total capital.....	3,513,861.35	1,726,498.43	1,787,362.92		
Non-operating capital	21,745.86	10,872.93	10,872.93		
Totals	3,535,607.21	1,737,371.36	1,798,235.85	175,110.10	116,522.52

Note—Items marked * include portions of transmission lines aggregating \$25,945.82 used for purposes of rural power districts.

RURAL POWER DISTRICTS

E.O.—RURAL OPERATING

District, the revenues collected from (or charged to) customers within each District, the Municipalities comprising certain other Districts upon ascertainment in the year ending October 31, 1935

Distribution costs and fixed charges				Total cost	Revenue from power and light customers in each district	Amounts remaining to be credited to certain districts or charged to the municipalities comprising certain other districts	
Interest	Renewals	Obsolescence and contingencies	Sinking fund			Credited	Charged
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
634.65	565.05	282.52	148.75	4,528.50	3,747.62		780.88
403.44	315.59	135.48	71.33	2,563.88	2,394.41		169.47
3,435.69	3,031.30	1,515.64	805.26	22,718.75	26,116.51	3,397.76	
1,022.72	910.57	455.29	239.70	7,464.72	8,090.77	626.05	
348.22	310.03	155.01	81.62	2,352.80	2,554.63	201.83	
5,271.99	4,605.06	2,302.52	1,235.66	31,124.48	32,723.18	1,598.70	
816.34	726.82	363.41	191.34	5,281.15	4,288.55		992.60
20.11	17.95	8.97	4.73	87.80	48.02		39.78
2,270.27	1,950.14	975.07	532.12	17,992.07	16,800.62		1,191.45
4,398.34	3,886.57	1,943.28	1,030.90	23,946.67	23,651.21		295.46
1,343.09	1,195.81	597.91	314.80	9,618.65	8,384.93		1,233.72
1,273.00	1,115.65	557.83	298.37	7,389.08	7,967.70	578.62	
4,011.41	3,557.79	1,778.90	940.20	25,439.69	28,389.35	2,949.66	
262.73	228.04	114.02	61.58	1,854.03	1,948.22	94.19	
6,340.64	5,384.40	2,692.20	1,486.13	38,730.81	36,944.49		1,786.32
1,199.20	1,063.27	531.63	281.07	5,303.55	4,424.05		879.50
937.52	834.71	417.35	219.74	4,339.47	4,352.11	12.64	
1,063.51	946.89	473.45	249.27	7,335.53	6,929.05		406.48
2,677.21	2,383.63	1,191.81	627.49	18,054.19	16,950.56		1,103.63
770.35	674.61	337.26	180.55	4,893.95	4,943.81	49.86	
4,898.98	4,202.78	2,101.39	1,148.24	23,729.84	22,908.25		821.59
7,938.80	6,892.29	3,446.15	1,860.71	47,705.60	50,050.92	2,345.32	
990.32	844.50	422.25	232.10	5,614.39	6,502.85	888.46	
451.75	390.71	195.36	105.88	2,699.00	2,137.90		561.10
162.28	144.48	72.24	38.04	658.36	426.43		231.93
6,832.62	5,946.66	2,973.32	1,601.44	52,566.87	54,855.48	2,288.61	
738.78	657.77	328.89	173.16	4,865.18	3,285.91		1,579.27
4,119.62	3,663.44	1,831.72	965.57	30,305.02	31,760.63	1,455.61	
1,729.66	1,532.74	766.38	405.40	11,494.25	10,828.08		666.17
310.05	266.96	133.48	72.85	2,276.96	1,911.51		365.45
2,830.22	2,434.21	1,217.11	663.35	18,137.03	17,178.87		958.16
1,264.17	1,030.46	515.22	296.30	5,346.86	5,071.58		275.28
1,811.02	1,608.69	804.35	424.46	13,307.66	15,323.78	2,016.12	
46.94	34.33	17.16	11.00	354.49	289.37		65.12
3,944.37	3,490.93	1,745.47	924.50	23,034.83	21,395.48		1,639.35
838.43	746.50	373.25	196.51	5,409.59	5,841.47	431.88	
77,408.44	67,591.23	33,773.29	18,120.12	488,525.70	491,418.30	18,935.31	16,042.71

Note—For townships included in rural power districts see "Cost of Power" statement preceding.

EASTERN ONTARIO

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount Credited ending October 31, 1935, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1934		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		\$ c.	\$ c.	\$ c.	\$ c.
Alexandria.....	Jan. 1921	971.73			971.73
Apple Hill.....	April 1921	97.99			97.99
Athens.....	Jan. 1929	668.00			668.00
Bath.....	Nov. 1931	200.20			200.20
Belleville.....	April 1929	15,846.82			15,846.82
Bloomfield.....	April 1919	549.60			549.60
Bowmanville.....	Oct. 1931	7,438.13			7,438.13
Brighton.....	Nov. 1929	1,443.32			1,443.32
Brockville.....	April 1915	9,374.34			9,374.34
Cardinal.....	July 1930	840.65		3.22	843.87
Carleton Place.....	May 1919	4,990.97			4,990.97
Chesterville.....	April 1914	308.43			308.43
Cobourg.....	Jan. 1932	5,722.34			5,722.34
Colborne.....	Jan. 1933	305.79			305.79
Deseronto.....	Jan. 1931	579.92			579.92
Finch.....	Feb. 1928	296.35			296.35
Hastings.....	June 1931	328.98			328.98
Havelock.....	Feb. 1921	343.32			343.32
Kemptville.....	Dec. 1921	822.33			822.33
Lakefield.....	Aug. 1920	1,116.71			1,116.71
Lanark.....	Sept. 1921	394.84			394.84
Lancaster.....	May 1921		4,646.68	7,674.10	611.57
Lindsay.....	Mar. 1928	5,258.97			5,258.97
Madoc.....	Jan. 1930	787.70			787.70
Marmora.....	Jan. 1921	496.68			496.68
Martintown.....	May 1921	101.90		55.97	157.87
Maxville.....	Feb. 1921	534.83			534.83
Napanee.....	Nov. 1929	3,688.78			3,688.78
Norwood.....	Feb. 1921	215.32			215.32
Oshawa.....	Feb. 1929		6,259.40	6,397.97	138.57
Ottawa.....	Jan. 1914	24,213.79			24,213.79
Perth.....	Feb. 1919	4,922.06			4,922.06
Peterborough.....	Mar. 1913	11,741.81			11,741.81
Pictou.....	April 1919	1,814.61			1,814.61
Port Hope.....	Nov. 1929	6,021.03			6,021.03
Prescott.....	Dec. 1913	2,455.87			2,455.87
Richmond.....	Aug. 1928	46.24			46.24
Russell.....	Feb. 1926	48.68			48.68
Smiths Falls.....	Sept. 1918	6,173.73			6,173.73
Stirling.....	Jan. 1930	841.73			841.73
Trenton.....	Sept. 1931	10,996.27			10,996.27
Tweed.....	Dec. 1930	743.61			743.61
Warkworth.....	Oct. 1923	354.63			354.63
Wellington.....	April 1919	631.00			631.00
Westport.....	Nov. 1931	514.92			514.92
Whitby.....	Jan. 1926	3,457.12			3,457.12
Williamsburg.....	April 1915	1,025.98			1,025.98

SYSTEM

E.O.—CREDIT OR CHARGE

supplied to it to October 31, 1934, the cash receipts and payments thereon, adjustments or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each municipality at October 31, 1935

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1935		Accumulated amount standing as a credit or charge on October 31, 1935	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
16.19		1,606.67		1,622.86	
1.76		253.95		255.71	
11.83		679.35		691.18	
2.65		283.69		286.34	
220.93		20,174.51		20,395.44	
9.16		519.68		528.84	
127.70		10,783.22		10,910.92	
25.88		1,084.99		1,110.87	
131.24		11,237.73		11,368.97	
16.26		1,041.44		1,057.70	
97.29		3,849.59		3,946.88	
5.07		1,515.90		1,520.97	
101.05		8,020.88		8,121.93	
4.86		602.88		607.74	
9.60		284.58		294.18	
4.94		562.31		567.25	
6.11		539.12		545.23	
5.61		468.95		474.56	
11.63		1,653.58		1,665.21	
18.85		792.71		811.56	
6.71		528.87		535.58	
109.47		538.85		3,064.17	
84.72		12,538.14		12,622.86	
13.20		851.64		864.84	
9.24		905.73		914.97	
3.61		150.56		154.17	
8.96		659.80		668.76	
63.19		4,842.75		4,905.94	
3.96		405.98		409.94	
	112.74	41,092.44		40,979.70	
398.03		27,994.41		28,392.44	
84.71		5,395.90		5,480.61	
193.02		29,056.82		29,249.84	
29.23		5,336.48		5,365.71	
96.86		6,835.43		6,932.29	
33.35		3,929.06		3,962.41	
0.83			51.52		50.69
0.87		670.12		670.99	
118.31		6,096.77		6,215.08	
16.33		1,325.47		1,341.80	
180.13		13,951.52		14,131.65	
11.90		1,097.82		1,109.62	
6.81		506.44		513.25	
10.41		1,025.47		1,035.88	
8.56		579.53		588.09	
58.31		6,013.11		6,071.42	
15.34		1,439.30		1,454.64	

EASTERN ONTARIO

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount Credited ending October 31, 1935, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1934		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
Winchester.....	Jan. 1914	\$ c. 894.70	\$ c.	\$ c.	\$ c. 894.70
Total—Municipalities.....		140,622.72	10,906.08	14,131.26	141,432.05
RURAL POWER DISTRICTS					
Alexandria R.P.D.....	Dec. 1929		3,694.41		
Arnprior R.P.D.....	Dec. 1930		1,631.55		
Belleville R.P.D.....	Aug. 1927	27,227.38			
Bowmanville R.P.D.....	Jan. 1924	1,016.82			
Brighton R.P.D.....	Nov. 1929	279.44			
Brockville R.P.D.....	Nov. 1921	1,293.25			
Campbellford R.P.D.....	Aug. 1924		865.13		
Carleton Place R.P.D.....	Feb. 1932		47.62		
Chesterville R.P.D.....	Nov. 1921		1,879.73		
Cobourg R.P.D.....	Feb. 1927		107.90		
Colborne R.P.D.....	Aug. 1925		1,590.85		33.26
Fenelon Falls R.P.D.....	July 1931		672.86		
Iroquois R.P.D.....	July 1930	2,639.79		152.00	261.94
Kemptville R.P.D.....	Dec. 1930		96.28		
Kingston R.P.D.....	Jan. 1923		5,620.28	107.07	
Lakefield R.P.D.....	July 1928		1,916.84		
Lindsay R.P.D.....	July 1930		1,891.12		
Martintown R.P.D.....	Jan. 1922	389.56		2,415.93	
Maxville R.P.D.....	Dec. 1927		1,416.17		
Millbrook R.P.D.....	July 1930		1,677.53		
Napanee R.P.D.....	Nov. 1927		6,719.69		
Nepean R.P.D.....	Feb. 1922	1,668.76			
Newcastle R.P.D.....	Sept. 1927	1,135.84			
Norwood R.P.D.....	Jan. 1929		1,923.07		
Omeme R.P.D.....	Jan. 1931		512.02		
Oshawa R.P.D.....	April 1918	41,974.03			
Perth R.P.D.....	Aug. 1931		3,741.54		
Peterborough R.P.D.....	Jan. 1927	14,097.02			
Prescott R.P.D.....	June 1922		287.73		
Renfrew R.P.D.....	Nov. 1930		1,624.50		
Smiths Falls R.P.D.....	May 1929		884.82		
Stirling R.P.D.....	Nov. 1929		467.80		
Trenton R.P.D.....	Jan. 1924	2,567.40			
Warkworth R.P.D.....	Nov. 1928	62.98			
Wellington R.P.D.....	Nov. 1925		2,155.14		
Williamsburg R.P.D.....	Feb. 1923		614.28		
Totals—Rural power districts.....		94,352.27	42,038.86	2,675.00	295.20
Totals—Municipalities.....		140,622.72	10,906.08	14,131.26	141,432.05
Totals.....		234,974.99	52,944.94	16,806.26	141,727.25

Note—For townships included in rural power districts see "Cost of Power" statement preceding.

SYSTEM

E.O.—CREDIT OR CHARGE

supplied to it to October 31, 1934, the cash receipts and payments thereon, adjustments or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each municipality at October 31, 1935

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1935		Accumulated amount standing as a credit or charge on October 31, 1935	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
15.33		1,658.79		1,674.12	
2,410.00	112.74	241,382.83	51.52	246,095.11	50.69
	147.78		780.88		4,623.07
	65.26		169.47		1,866.28
1,089.10		3,397.76		31,714.24	
40.67		626.05		1,683.54	
11.18		201.83		492.45	
51.73		1,598.70		2,943.68	
	34.61		992.60		1,892.34
	1.90		39.78		89.30
	75.19		1,191.45		3,146.37
	4.32		295.46		407.68
	64.85		1,233.72		2,922.68
	26.91	578.62			121.15
101.56		2,949.66		5,581.07	
	3.85	94.19			5.94
	224.81		1,786.32		7,524.34
	76.67		879.50		2,873.01
	75.64	12.64			1,954.12
112.22			406.48	2,511.23	
	56.65		1,103.63		2,576.45
	67.10	49.86			1,694.77
	268.79		821.59		7,810.07
66.75		2,345.32		4,080.83	
45.43		888.46		2,069.73	
	76.92		561.10		2,561.09
	20.48		231.93		764.43
1,678.96		2,288.61		45,941.60	
	149.66		1,579.27		5,470.47
563.88		1,455.61		16,116.51	
	11.51		666.17		965.41
	64.98		365.45		2,054.93
	35.39		958.16		1,878.37
	18.71		275.28		761.79
102.70		2,016.12		4,686.22	
2.52			65.12	0.38	
	86.21		1,639.35		3,880.70
	24.57	431.88			206.97
3,866.70	1,682.76	18,935.31	16,042.71	117,821.48	58,051.75
2,410.00	112.74	241,382.83	51.52	246,095.11	50.69
6,276.70	1,795.50	260,318.14	16,094.23	363,916.59	58,102.42

EASTERN ONTARIO SYSTEM

E.O.—SINKING FUND

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder as part of the cost of power delivered thereto, together with its proportionate share of other Sinking Funds, provided out of other revenues of the system, and interest allowed thereon to October 31, 1935

Municipality	Period of years ending Oct. 31, 1935	Amount	Municipality	Period of years ending Oct. 31, 1935	Amount
Alexandria.....	11 years	\$ 21,054.12	Williamsburg.....	15 years	\$ 3,584.23
Apple Hill.....	11 "	2,102.39	Winchester.....	16 "	13,105.53
Athens.....	7 "	3,372.84			
Bath.....	4 "	896.72	Total—Municipalities.....	1	292,228.13
Belleville.....	7 "	88,179.28			
Bloomfield.....	7 "	3,481.50	RURAL POWER DISTRICTS		
Bowmanville.....	4 "	23,425.28	Alexandria R.P.D.....	6 "	1,812.32
Brighton.....	6 "	5,852.69	Arnprior R.P.D.....	5 "	332.41
Brockville.....	15 "	110,118.03	Belleville R.P.D.....	7 "	11,545.98
Cardinal.....	6 "	2,331.77	Bowmanville R.P.D.....	7 "	3,340.69
Carleton Place.....	11 "	49,717.81	Brighton R.P.D.....	6 "	865.05
Chesterville.....	16 "	19,637.58	Brockville R.P.D.....	14 "	15,557.48
Cobourg.....	4 "	17,572.59	Campbellford R.P.D.....	7 "	2,864.92
Colborne.....	3 "	1,202.92	Carleton Place R.P.D.....	4 "	18.68
Deseronto.....	5 "	3,295.20	Chesterville R.P.D.....	14 "	9,914.63
Finch.....	8 "	2,424.71	Cobourg R.P.D.....	7 "	12,376.14
Hastings.....	5 "	1,555.89	Colborne R.P.D.....	7 "	3,953.57
Havelock.....	7 "	7,379.72	Fenelon Falls R.P.D.....	5 "	1,881.90
Kemptville.....	11 "	12,664.99	Iroquois R.P.D.....	6 "	10,464.83
Lakefield.....	7 "	6,869.58	Kemptville R.P.D.....	5 "	668.38
Lanark.....	11 "	3,917.12	Kingston R.P.D.....	7 "	13,566.52
Lancaster.....	11 "	4,135.33	Lakefield R.P.D.....	7 "	1,592.54
Lindsay.....	7 "	50,053.74	Lindsay R.P.D.....	6 "	1,033.20
Madoc.....	6 "	3,792.39	Martintown R.P.D.....	14 "	5,399.27
Marmora.....	7 "	3,043.45	Maxville R.P.D.....	8 "	8,674.85
Martintown.....	11 "	1,320.10	Millbrook R.P.D.....	6 "	1,720.57
Maxville.....	11 "	6,218.96	Napanee R.P.D.....	7 "	9,700.34
Napanee.....	6 "	21,610.94	Nepean R.P.D.....	14 "	20,657.09
Norwood.....	7 "	3,591.92	Newcastle R.P.D.....	7 "	2,874.17
Oshawa.....	7 "	269,708.94	Norwood R.P.D.....	7 "	1,330.98
Ottawa.....	20 "	82,402.10	Ormeau R.P.D.....	5 "	208.17
Perth.....	11 "	43,159.70	Oshawa R.P.D.....	7 "	26,754.57
Peterborough.....	7 "	164,175.37	Perth R.P.D.....	5 "	1,090.02
Pictou.....	7 "	29,121.42	Peterborough R.P.D.....	7 "	18,443.90
Port Hope.....	6 "	27,185.89	Prescott R.P.D.....	14 "	7,991.81
Prescott.....	16 "	31,304.28	Renfrew R.P.D.....	5 "	240.23
Richmond.....	8 "	1,413.72	Smiths Falls R.P.D.....	7 "	7,388.91
Russell.....	10 "	3,581.14	Stirling R.P.D.....	6 "	2,377.61
Smiths Falls.....	12 "	64,321.31	Trenton.....	7 "	4,608.32
Stirling.....	6 "	4,560.18	Warkworth R.P.D.....	7 "	138.71
Trenton.....	4 "	31,685.86	Wellington R.P.D.....	7 "	9,060.01
Tweed.....	5 "	4,201.66	Williamsburg R.P.D.....	11 "	1,727.50
Warkworth.....	7 "	2,114.15			
Wellington.....	7 "	5,563.38	Total—Rural power districts.....		222,176.27
Westport.....	4 "	1,911.10	Total—Municipalities.....	1	292,228.13
Whitby.....	7 "	28,308.61	Grand total.....		1,514,404.40

Note—For townships included in rural power districts see "Cost of Power" statement preceding.

THUNDER BAY

Statement showing the amount to be paid by each Municipality as the Cost—under received by the Commission from each Municipality on account of such cost; pality upon ascertainment (by annual adjustment) of the actual cost

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Share of operating	
	To Jan. 1, 1935	To Oct. 31, 1935			Operating, maintenance and administrative expenses	Interest
			\$ c.		\$ c.	\$ c.
Fort William.....	\$21.00 plus transformation charges.....		3,246,205.19	10,289.5	40,069.29	155,689.84
Port Arthur.....	\$21.00 plus transformation charges.....		10,203,586.94	32,967.0	121,544.42	489,017.88
Township of Nipigon..	\$30.00.....	\$30.00.....	28,521.87	100.3	1,024.39	1,370.74
RURAL POWER DISTRICTS						
Fort William R.P.D.—Neebing, Oliver and Paipoonge twps.....			32,593.14	95.2	563.89	1,570.80
Port Arthur R.P.D.—Shuniah twps.....			16,438.34	44.9	623.94	791.84
Totals—Municipalities.....			13,478,314.00	43,356.8	162,638.10	646,078.46
Totals—Rural power districts.....			49,031.48	140.1	1,187.83	2,362.64
Totals—Companies.....			5,081,409.67	16,745.5	58,525.62	245,683.71
			18,608,755.15			
Non-operating capital.....			750.71			
Grand totals.....			18,609,505.86	60,242.4	222,351.55	894,124.81

THUNDER BAY SYSTEM—

Statement showing the costs of distribution of power within each Rural Power and the amounts remaining to be credited to certain Districts or charged to (by annual adjustment) of the actual costs

Districts and municipalities comprised therein	Total capital cost of each district, Provincial Government grant received and applied thereagainst, and the balance representing the investment by the Commission			Cost of power delivered to districts as shown in "cost of power" table preceding	Cost of operation maintenance and administration
	Total capital cost	Government grant	Commission's investment		
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Fort William R.P.D.—Neebing, Oliver and Paipoonge twps.....	70,301.50	35,150.75	35,150.75	2,536.15	1,817.85
Port Arthur R.P.D.—Shuniah twp.....	50,451.04	25,225.52	25,225.52	1,632.37	1,671.46
Totals.....	120,752.54	60,376.27	60,376.27	4,168.52	3,489.31

SYSTEM

T.B.—COST OF POWER

The Power Commission Act—of Power supplied to it by the Commission; the amount and the amount remaining to be credited or charged to each Municipality of power supplied to it in the year ending October 31, 1935

costs and fixed charges		Total	Revenue received in excess of cost of power sold to private companies	Total cost of power for year as provided to be paid under Power Commission Act	Amounts received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
Renewals	Sinking Fund					Credited	Charged
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
28,387.15	24,233.36	248,379.64	16,288.29	232,091.35	232,012.48	.....	78.87
87,995.47	75,567.69	774,125.46	52,186.80	721,938.66	725,584.07	3,645.41	.....
233.42	203.35	2,831.90	158.77	2,673.13	3,008.69	335.56	.....
301.01	251.15	2,686.85	150.70	2,536.15	2,536.15	see	below
157.98	129.69	1,703.45	71.08	1,632.37	1,632.37	"	"
116,616.04	100,004.40	1,025,337.00	(68,633.86)	956,703.14	960,605.24	3,980.97	78.87
458.99	380.84	4,390.30	(221.78)	4,168.52	4,168.52	.....	.....
41,067.46	47,723.44	393,000.23	68,855.64	461,855.87	461,855.87	.....	.....
158,142.49	148,108.68	1,422,727.53	.....	1,422,727.53	1,426,629.63	3,980.97	78.87

RURAL POWER DISTRICTS

T.B.—RURAL OPERATING

District, the revenues collected from (or charged to) customers within each District, the Municipalities comprising certain other Districts upon ascertainment in the year ending October 31, 1935

Distribution costs and fixed charges				Total cost	Revenue from power and light customers in each district	Amounts remaining to be credited to certain districts or charged to the municipalities comprising certain other districts	
Interest	Renewals	Obsolescence and contingencies	Sinking fund			Credited	Charged
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1,680.90	1,385.08	692.54	364.62	8,477.14	9,140.23	663.09	.....
1,208.28	995.64	497.82	262.10	6,267.67	4,472.73	.....	1,794.94
2,889.18	2,380.72	1,190.36	626.72	14,744.81	13,612.96	663.09	1,794.94

THUNDER BAY

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount Credited ending October 31, 1935, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1934		Cash receipts and payments on account of such credits and charges, made during the year	
		Credit	Charge	Credited	Charged
		\$ c.	\$ c.	\$ c.	\$ c.
Fort William.....	Oct. 1926		21,069.44	21,069.44	
Nipigon twp.....	Jan. 1925	188.41			188.41
Port Arthur.....	Dec. 1910		61,288.66	61,288.66	
RURAL POWER DISTRICTS*					
Fort William R.P.D.....	Oct. 1932		192.50		
Port Arthur R.P.D.....	Jan. 1932		2,681.06		
Total.....		188.41	85,231.66	82,358.10	188.41

*For townships included in rural power districts see "Cost of Power" statement preceding.

THUNDER BAY SYSTEM

T.B.—SINKING FUND

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder, as part of the cost of power delivered thereto, together with the proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon to October 31, 1935

Municipality	Period of years ending October 31, 1935	Amount
		\$ c.
Fort William.....	9 years	331,225.77
Port Arthur.....	9 "	1,113,671.63
Nipigon township.....	9 "	2,149.78
Total—Municipalities.....		1,447,047.18
RURAL POWER DISTRICTS		
Fort William R.P.D.....	4 years	2,058.34
Port Arthur R.P.D.....	4 "	1,245.25
Total—Rural power districts.....		3,303.59
Totals—Municipalities.....		1,447,047.18
Totals—Rural power districts.....		3,303.59
Totals.....		1,450,350.77

SYSTEM

T.B.—CREDIT OR CHARGE

supplied to it to October 31, 1934, the cash receipts and payments thereon, adjustments or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1935

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1935		Accumulated amount standing as a credit or charge on October 31, 1935	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
3.16	367.13	335.56	78.87	338.72	446.00
	1,067.93	3,645.41		2,577.48	
	7.70	663.09		462.89	
	107.24		1,794.94		4,583.24
3.16	1,550.00	4,644.06	1,873.81	3,379.09	5,029.24

MANITOULIN ISLAND

Statement showing the costs of distribution of power within Rural Power District, amount remaining to be charged to the Municipalities comprising costs in the year ending

Districts and municipalities comprised therein	Total capital cost of each district, Provincial Government grant received and applied thereagainst, and the balance representing the investment by the Commission			Cost of power purchased	Cost of operation maintenance and administration
	Total capital cost	Government grant	Commission's investment		
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Manitoulin R.P.D.—Billings, Carnarvon, Gordon and Allan twps., Town of Gore Bay and Indian Reserve.....	64,770.18	29,454.44	35,315.74	3,750.00	1,372.12

MANITOULIN ISLAND

Statement showing the net charge to Manitoulin Rural Power District in respect net amount charged this Rural Power District in respect of power supplied as a charge at

Rural power district	Date commenced operating	Net charge at October 31, 1934	Adjustments made during the year
		Charge	Credited
		\$ c.	\$ c.
Manitoulin R.P.D.—Billings, Carnarvon, Gordon and Allan twps., Town of Gore Bay and Indian Reserve	Dec. 1932	2,947.45	81.88

RURAL POWER DISTRICT

MANITOULIN—RURAL OPERATING

the revenues collected from (or charged to) customers within the District, and the this District upon ascertainment (by annual adjustment) of the actual October 31, 1935

Distribution costs and fixed charges				Total cost	Revenue from power and light customers in each district	Amount remaining to be charged to the municipalities comprising the district	
Interest	Renewal charges	Obsolescence and contingencies	Sinking fund			Credited	Charged
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1,583.51	1,288.90	644.45	370.16	9,009.14	8,382.18	.....	626.96

RURAL POWER DISTRICT

MANITOULIN—CREDIT OR CHARGE

of power supplied to it to October 31, 1934, interest added during the year; also the in the year ending October 31, 1935, and the accumulated amount standing October 31, 1935

Interest at 4% per annum added during the year	Net amount charged in respect of power supplied in the year ending October 31, 1935	Accumulated amount standing as a charge on October 31, 1935
Charged	Charged	Charge
\$ c.	\$ c.	\$ c.
114.62	626.96	3,607.15

NIPISSING RURAL

Statement showing the costs of distribution of power within each Rural Power
and the amounts remaining to be credited to certain Districts
of the actual costs

Rural power district and municipalities comprised therein	Total capital cost of each district, Provincial Government grant received and applied thereagainst, and the balance representing the investment by the Commission			Cost of power purchased from Nipissing District of Northern Ontario Properties
	Total capital cost	Govern- ment grant	Com- mission's investment	
North Bay R.P.D.....	\$ c. 48,470.57	\$ c. 23,863.42	\$ c. 24,607.15	\$ c. 4,898.18
West Ferris and Widdifield twps.				
Powassan R.P.D.....	5,383.12	2,691.56	2,691.56	121.87
Himsworth S. twp.				
Total capital.....	53,853.69	26,554.98	27,298.71	5,020.05
Non-operating capital.....	13.37	6.68	6.69	
Grand totals.....	53,867.06	26,561.66	27,305.40	

NIPISSING RURAL

Statement showing the net Credit to each Municipality in respect of power supplied
Credited to each Municipality in respect of power supplied in the year
to each Municipality

Rural power district	Date commenced operating	Net credit at October 31, 1934
		Credit
North Bay R.P.D.....	June, 1927	\$ c. 9,997.61
Powassan R.P.D.....	Nov., 1931	178.35
Totals.....		10,175.96

POWER DISTRICTS

NIPISSING RURAL—OPERATING

District, the revenues collected from (or charged to) customers within each district, upon ascertainment (by annual adjustment) in the year ending October 31, 1935

Distribution costs and fixed charges					Total cost	Revenue from power and light customers in each district	Amounts remaining to be credited to certain districts
Cost of operation, maintenance and administration	Interest	Renewals	Obsolescence and contingencies	Sinking fund			Credited
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
2,063.16	975.82	837.61	418.81	224.42	9,418.00	10,014.03	596.03
107.30	122.80	107.15	53.57	28.21	540.90	692.76	151.86
2,170.46	1,098.62	944.76	472.38	252.63	9,958.90	10,706.79	747.89

POWER DISTRICTS

NIPISSING RURAL—CREDIT OR CHARGE

to it to October 31, 1934, the interest added during the year; also the net amount ending October 31, 1935, and the accumulated amount standing as a Credit at October 31, 1935

Interest at 4% per annum added during the year	Net amount credited in respect of power supplied in the year ending October 31, 1935	Accumulated amount standing as a credit on October 31, 1935
Credited	Credited	Credit
\$ c.	\$ c.	\$ c.
399.90	596.03	10,993.54
7.13	151.86	337.34
407.03	747.89	11,330.88

NIPISSING RURAL POWER DISTRICTS

SINKING FUND

Statement showing Sinking Fund paid by each Rural Power District in the periods mentioned hereunder, as part of the cost of power delivered thereto and interest allowed thereon to October 31, 1935

Rural power district	Period of years ending October 31, 1935	Amount
		\$ c.
North Bay R.P.D.—West Ferris and Widdifield twps.....	6 years	1,116.23
Powassan R.P.D.—Himsworth S. twp.....	4 “	108.96
Total.....		1,225.19

NORTHERN ONTARIO PROPERTIES

(Operated by The Hydro-Electric Power Commission of Ontario)

FINANCIAL ACCOUNTS

For the Year ended October 31, 1935

Relating to Power Properties which are held and operated by the Commission in trust for the Province of Ontario, and which are situated in the following Northern Districts:

Nipissing

Abitibi

Patricia

Sudbury

Espanola

St. Joseph

STATEMENTS

Balance Sheet as at October 31, 1935

Operating and Income Accounts for the Year ended October 31, 1935

Schedules supporting the Balance Sheet as at October 31, 1935

Fixed Assets—By Districts

Renewals Reserves

Obsolescence and Contingencies Reserves

NORTHERN ONTARIO

(Operated by The Hydro-Electric

Balance Sheet as at

ASSETS

INVESTMENTS:

Fixed Assets in Service:

Nipissing District.....	\$ 1,674,837.85
Sudbury District.....	2,727,749.34
Abitibi District.....	25,025,780.34
Espanola District.....	22,812.40
Patricia District.....	489,676.89
St. Joseph District.....	395,718.19
	<hr/> \$30,336,575.01

Fixed Assets under Construction.....	403,129.69
	<hr/> \$30,739,704.70

CURRENT AND ACCRUED ASSETS:

Special deposits for matured interest unpaid.....	\$ 24,504.36
Sundry accounts receivable	12,412.70
Power accounts receivable	153,657.48
Interest receivable	9,288.54
Province of Ontario—1934-35 deficit contribution.....	388,054.57
Hydro-Electric Power Commission of Ontario.....	138,445.60
Consumers' and contractors' deposits:	
Securities—Bonds at par value.....	\$ 348,500.00
Securities—Stocks at market value	152,649.55
	<hr/> 501,149.55
	1,227,512.80

DEFERRED DEBITS:

Maintenance materials and supplies	\$ 35,939.35
Construction tools and equipment	41,662.49
Prepayments.....	43,845.03
	<hr/> 121,446.87

SPECIAL FUNDS:

Reserve Funds:

Investments.....	\$ 830,545.01
*Amount receivable from current assets—	
per contra..	309,811.35
	<hr/> \$ 1,140,356.36

Sinking Funds:

*Amount receivable from current assets—per contra.....	335,264.83
	<hr/> 1,475,621.19
	<hr/> <u>\$33,564,285.56</u>

Approved by:—

A. MURRAY McCRIMMON - - - Controller.

T. S. LYON - Chairman of the Commission.

A. W. ROEBUCK - - - - Commissioner.

T. B. McQUESTEN- - - - Commissioner.

PROPERTIES

Power Commission of Ontario)

October 31, 1935

LIABILITIES, RESERVES AND EQUITY

LONG-TERM LIABILITIES:

Funded Debt:

3½/4/5% H-E.P.C. Debentures due October 1, 1952— Issued in 1932 in exchange for Bonds of Ontario Power Service Corporation Limited	\$17,626,950.00	
Purchase Agreement—Espanola Transmission Line— McMillan Gold Mines Limited	11,168.02	
		\$17,638,118.02

CURRENT AND ACCRUED LIABILITIES:

Bank of Montreal—demand loan	\$ 4,500,000.00	
Accounts payable	112,027.29	
Unpaid claims—Abitibi Canyon Properties	382,838.14	
Matured debenture interest unpaid	24,504.36	
Debenture interest accrued	51,411.94	
Liability for consumers' and contractors' deposits	532,991.48	
	\$ 5,603,773.21	
*Liability to special funds—per contras	645,076.18	
		6,248,849.39

DEFERRED CREDITS:

Miscellaneous deferred credits	2,843.20
--------------------------------------	----------

RESERVES:

Renewals reserves	\$ 854,322.53	
Obsolescence and contingencies reserves	286,033.83	
		1,140,356.36

EQUITY OF THE PROVINCE OF ONTARIO:

Advances from the Province of Ontario for:		
Capital expenditures	\$ 8,198,853.76	
Operating deficits and sinking fund appro- priations	841,711.18	
		\$ 9,040,564.94

Deficit Account:

Balance at November 1, 1934	\$ 453,656.61	
Net loss for the year ended October 31, 1935	52,789.74	
Sinking fund appropriations for the year ended October 31, 1935	335,264.83	
Balance at October 31, 1935		841,711.18

	\$ 8,198,853.76	
	335,264.83	
Sinking fund reserves		8,534,118.59
		\$33,564,285.56

Auditors' Certificate

We have examined the Accounts of the Northern Ontario Properties for the year ended the 31st October, 1935, and report that, in conjunction with our Annual Report to the Lieutenant-Governor in Council, in our opinion the above Balance Sheet is properly drawn up so as to exhibit a true and correct view of the state of the affairs of Northern Ontario Properties at the 31st October, 1935, according to the best of our information and the explanations given to us and as shown by the books of the Properties. We have obtained all the information and explanations we have required.

OSCAR HUDSON AND Co.,
Chartered Accountants,
Auditors.

Dated at Toronto, Ontario,
30th March, 1936

NORTHERN ONTARIO
(Operated by The Hydro-Electric
Operating and Income Accounts)

	Nipissing District	Sudbury District
	\$ c.	\$ c.
OPERATING REVENUES:		
Power sold to private companies and customers.....	241,693.02	360,196.80
Power supplied to rural power districts.....	5,020.05	.....
Total operating revenues	246,713.07	360,196.80
OPERATING EXPENSES		
Power purchased.....	.....	.....
Operation, maintenance and administration expenses....	88,209.42	73,900.61
Renewals provision for the year:		
Principal amount.....	21,670.65	27,582.60
Interest at 4% on reserves' balances.....	10,447.84	4,543.58
Total provision.....	32,118.49	32,126.18
Obsolescence and contingencies provision for the year:		
Principal amount.....	8,561.30	18,388.40
Interest at 4% on reserves' balances.....	5,658.68	4,083.15
Total provision.....	14,219.98	22,471.55
Total operating expenses.....	134,547.89	128,498.34
NET OPERATING INCOME.....	112,165.18	231,698.46
NON-OPERATING INCOME		
Income from reserve fund investments.....	13,591.56	7,279.52
Interest during construction.....	6.81	48.44
Commission's interest adjustment.....	6,351.02	3,336.39
Total non-operating income.....	19,949.39	10,664.35
GROSS INCOME.....	132,114.57	242,362.81
DEDUCTIONS FROM GROSS INCOME:		
Interest on long-term debt:		
Debentures in the hands of the public.....	.....	.....
Ontario Government advances.....	80,578.40	129,027.28
Miscellaneous interest deductions.....	249.10	398.74
Total deductions from gross income.....	80,827.50	129,426.02
NET INCOME (or Loss).....	51,287.07	112,936.79
DISPOSITION OF NET INCOME:		
Sinking fund appropriation:		
Principal amount.....	17,633.87	28,723.20
Total appropriation.....	17,633.87	28,723.20
DEFICIENCY (or Surplus) AFTER SINKING FUND APPROPRIATION.....	33,653.20	84,213.59

PROPERTIES

Power Commission of Ontario)

for the Year Ended October 31, 1935

Abitibi District	Espanola District	Patricia District	St. Joseph District	Total for Northern Ontario Properties
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
935,790.53	16,771.18	85,378.26	39,526.22	1,679,356.01
.....	.....	.....	.....	5,020.05
935,790.53	16,771.18	85,378.26	39,526.22	1,684,376.06
1,183.36	10,906.47	.....	.....	12,089.83
214,405.24	1,992.48	24,905.58	16,132.68	419,546.01
166,268.93	374.69	.....	.....	215,896.87
8,123.79	4.00	1,488.24	.....	24,607.45
174,392.72	378.69	1,488.24	.....	240,504.32
.....	249.80	.....	.....	27,199.50
.....	.....	395.06	.....	10,136.89
.....	249.80	395.06	.....	37,336.39
389,981.32	13,527.44	26,788.88	16,132.68	709,476.55
545,809.21	3,243.74	58,589.38	23,393.54	974,899.51
6,854.42	2.93	1,589.00	.....	29,317.43
1,421.78	3.01	73.42	3,643.28	5,196.74
75,164.00	197.60	560.60	6,657.37	71,770.96
66,887.80	191.66	2,223.02	3,014.09	37,256.79
478,921.41	3,052.08	60,812.40	20,379.45	937,642.72
617,647.53	.....	.....	.....	617,647.53
131,609.63	64.18	23,874.04	4,734.88	369,888.41
1,169.69	990.62	73.74	14.63	2,896.52
750,426.85	1,054.80	23,947.78	4,749.51	990,432.46
271,505.44	1,997.28	36,864.62	15,629.94	52,789.74
243,590.80	263.03	25,377.50	19,676.43	335,264.83
243,590.80	263.03	25,377.50	19,676.43	335,264.83
515,096.24	1,734.25	11,487.12	4,046.49	388,054.57

NORTHERN ONTARIO PROPERTIES

(Operated by The Hydro-Electric Power Commission of Ontario)

Fixed Assets at October 31, 1935

DISTRICT	Net capital expendi- tures for the year	Fixed Assets under Construc- tion	Fixed Assets in Service					
			Water rights and intangible items	Physical property		Total		
				Non- depreciable	Depreciable			
	\$	c.	\$	c.	\$	c.	\$	c.
NIPISSING								
Power Plants								
South River:								
Nipissing.....	5.79	5.79		11,099.60	238,726.18		249,825.78	
Bingham's Chute	465.90	105.00		12,098.60	227,237.88		239,336.48	
Elliot Chute.....	8.12			120,057.09	335,124.99		455,182.08	
Storage dams.....					81,871.21		81,871.21	
Miscellaneous.....					6,390.46		6,390.46	
Intangible.....			69,478.34				69,478.34	
	479.81	110.79	69,478.34	143,255.29	889,350.72		1,102,084.35	
Transformer Stations	345.23				16,803.09		16,803.09	
Transmission Lines....	337.87				173,524.75		173,524.75	
Local Systems.....	4,319.98		22,649.50		359,776.16		382,425.66	
	5,482.89	110.79	92,127.84	143,255.29	1,439,454.72		1,674,837.85	
SUDBURY								
Power Plants								
Wanapitei River:								
Coniston.....	15.39	15.39		13,200.00	507,792.13		520,992.13	
McVittie.....	1,543.88	1,503.91		13,200.00	289,957.75		303,157.75	
Stinson.....				33,000.00	624,381.66		657,381.66	
Storage dam.....					194,870.00		194,870.00	
Intangible.....			830,614.53				830,614.53	
	1,559.27	1,519.30	830,614.53	59,400.00	1,617,001.54		2,507,016.07	
Transformer Stations	1,996.05				47,433.11		47,433.11	
Transmission Lines....	37,723.61	3,438.60			173,300.16		173,300.16	
Local Systems.....	6,630.43							
	34,648.50	4,957.90	830,614.53	59,400.00	1,837,734.81		2,727,749.34	
ABITIBI								
Power Plants								
Abitibi River:								
Abitibi Canyon.....	4,873,318.81	190,814.28		5,690,252.10	15,914,501.91		21,604,754.01*	
Transformer Stations	173,922.92	59,289.20			616,486.14		616,486.14	
Transmission Lines....	223,144.90	128,913.34		354,425.02	2,438,574.69		2,792,999.71	
Local Systems.....	12,553.65	1,013.17			11,540.48		11,540.48	
	5,282,940.28	380,029.99		6,044,677.12	18,981,103.22		25,025,780.34	

*Includes \$2,367,955.77 for transmission lines acquired in the purchase of the properties of Ontario Power Service Corporation Ltd.

NORTHERN ONTARIO PROPERTIES

(Operated by The Hydro-Electric Power Commission of Ontario)

Fixed Assets at October 31, 1935

DISTRICT	Net capital expenditures for the year	Fixed Assets under Construction	Fixed Assets in Service			
			Water rights and intangible items	Physical property		Total
				Non-depreciable	Depreciable	
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
ESPAÑOLA						
Transformer Stations	2,382.77				2,382.77	2,382.77
Transmission Lines.....	429.63				20,429.63	20,429.63
	2,812.40				22,812.40	22,812.40
PATRICIA						
Power Plants						
English River:						
Ear Falls.....	2,151.34	2,037.11			486,624.00	486,624.00
Transformer Stations	3,052.89				3,052.89	3,052.89
	5,204.23	2,037.11			489,676.89	489,676.89
ST. JOSEPH						
Power Plants						
Albany River:						
Rat Rapids.....	206,957.94	15,993.90			362,257.48	362,257.48
Donations in aid of construction.....					80,000.00	80,000.00
	206,957.94	15,993.90			282,257.48	282,257.48
Transformer Stations	2,374.07				2,374.07	2,374.07
Transmission Lines.....	60,109.48				111,086.64	111,086.64
	269,441.49	15,993.90			395,718.19	395,718.19

SUMMARY

DISTRICT	Net capital expenditures for the year	Fixed Assets under Construction	Fixed Assets in Service			
			Water rights and intangible items	Physical property		Total
				Non-depreciable	Depreciable	
Nipissing District.....	5,482.89	110.79	92,127.84	143,255.29	1,439,454.72	1,674,837.85
Sudbury District.....	34,648.50	4,957.90	830,614.53	59,400.00	1,837,734.81	2,727,749.34
Abitibi District.....	5,282,940.28	380,029.99		6,044,677.12	18,981,103.22	25,025,780.34
Espanola District.....	2,812.40				22,812.40	22,812.40
Patricia District.....	5,204.23	2,037.11			489,676.89	489,676.89
St. Joseph District.....	269,441.49	15,993.90			395,718.19	395,718.19
	5,600,529.79	403,129.69	922,742.37	6,247,332.41	23,166,500.23	30,336,575.01

NORTHERN ONTARIO
(Operated by The Hydro-Electric
Renewals Reserves—

	Nipissing District	Sudbury District
	\$ c.	\$ c.
Balances at November 1, 1934.....	261,196.12	113,589.60
Renewals provision for the year:		
Principal—as per income statement.....	21,670.65	27,582.60
Interest at 4% on reserves' balances.....	10,447.84	4,543.58
Total provision.....	32,118.49	32,126.18
Sub-total.....	293,314.61	145,715.78
Expenditures for the year.....	781.55	441.76
Balances at October 31, 1935.....	292,533.06	145,274.02

Obsolescence and Contingencies

	Nipissing District	Sudbury District
	\$ c.	\$ c.
Balances at November 1, 1934.....	141,467.08	102,078.76
Obsolescence and contingencies—provisions for the year:		
Principal—as per income statement.....	8,561.30	18,388.40
Interest at 4% on reserves' balances.....	5,658.68	4,083.15
Total provision.....	14,219.98	22,471.55
Sub-total.....	155,687.06	124,550.31
Contingencies met with during the year.....	1,936.89	1,912.68
Balances at October 31, 1935.....	153,750.17	122,637.63

PROPERTIES

Power Commission of Ontario)

October 31, 1935

Abitibi District	Espanola District	Patricia District	St. Joseph District	Total for Northern Ontario Properties
\$ c. 203,094.83	\$ c. 100.00	\$ c. 37,205.94	\$ c.	\$ c. 615,186.49
166,268.93	374.69	.....	.....	215,896.87
8,123.79	4.00	1,488.24	.....	24,607.45
174,392.72	378.69	1,488.24	.....	240,504.32
377,487.55	478.69	38,694.18	.....	855,690.81
6.50	.....	138.47	.....	1,368.28
377,481.05	478.69	38,555.71	.....	854,322.53

Reserves—October 31, 1935

Abitibi District	Espanola District	Patricia District	St. Joseph District	Total for Northern Ontario Properties
\$ c.	\$ c.	\$ c. 9,876.55	\$ c.	\$ c. 253,422.39
.....	249.80	.....	.....	27,199.50
.....	.....	395.06	.....	10,136.89
.....	249.80	395.06	.....	37,336.39
.....	249.80	10,271.61	.....	290,758.78
.....	.....	875.38	.....	4,724.95
.....	249.80	9,396.23	.....	286,033.83

THE HAMILTON STREET RAILWAY COMPANY

(A Subsidiary of The Hydro-Electric Power Commission of Ontario—
Niagara System)

FINANCIAL ACCOUNTS

For the Year ended October 31, 1935

Balance Sheet as at October 31, 1935

Income Account for the Year ended October 31, 1935

THE HAMILTON STREET

(A Subsidiary of the Hydro-Electric Power

Balance Sheet as at

ASSETS

INVESTMENTS:

Properties, road and equipment, buses, franchises, etc.....	\$4,843,006.19	
Less—Surplus created by advances from The Dominion Power and Transmission Company, Limited prior to acquisition by The Hydro-Electric Power Com- mission of Ontario at December 31, 1929	488,846.85	
		<u>\$4,354,159.34</u>

CURRENT AND ACCRUED ASSETS:

Cash.....	\$ 5,643.00	
Cash in transit to Toronto.....	23,054.66	
Accounts receivable.....	4,530.01	
		<u>33,227.67</u>

DEFERRED DEBITS:

Material and supplies	\$ 44,648.89	
Conductors' and employees' advances.....	12,170.00	
Prepayments.....	5,898.03	
		<u>62,716.92</u>

\$4,450,103.93

Approved by:—

T. S. LYON - - - - - President.

T. B. McQUESTEN - - - - - Director.

RAILWAY COMPANY

Commission of Ontario—Niagara System)

October 31, 1935

LIABILITIES, RESERVES AND CAPITAL

CAPITAL STOCK:

Authorized: 80,000 shares of a par value of \$50.00 each.....	\$4,000,000.00	
Issued: 64,100 shares of a par value of \$50.00 each.....		\$3,205,000.00

ADVANCES FROM THE HYDRO-ELECTRIC POWER COMMISSION
OF ONTARIO:

Advances for working funds.....		262,363.43
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CURRENT AND ACCRUED LIABILITIES:

Accounts payable.....	\$ 11,437.17	
Accrued charges.....	163.40	
Other current liabilities.....	55,261.49	
		66,862.06

RESERVES:

Reserve for depreciation—road and equipment.....	\$ 866,819.82	
Insurance reserves.....	15,537.59	
Operating reserves.....	26,312.25	
		908,669.66

CORPORATE SURPLUS:

Balance October 31, 1934	\$ 13,893.86	
Balance transferred from income account.....	NIL	
Miscellaneous debits—net.....	6,685.08	
		7,208.78
		<u>\$4,450,103.93</u>

Auditors' Certificate

We have examined the Books and Accounts of The Hamilton Street Railway Company for the year ended the 31st October, 1935 and report that, subject to the comments contained in our Annual Report on the Accounts of The Hydro-Electric Power Commission of Ontario, in our opinion the above Balance Sheet is properly drawn up so as to exhibit a true and correct view of the state of the Company's affairs at the 31st October, 1935, according to the best of our information and the explanations given to us and as shown by the books of the Company. We have obtained all the information and explanations we have required.

OSCAR HUDSON AND Co.,

Chartered Accountants,

Auditors.

Dated at Toronto, Ontario,
30th March, 1936.

THE HAMILTON STREET RAILWAY COMPANY

(A Subsidiary of The Hydro-Electric Power Commission of Ontario—Niagara System)

Operating and Income Account for the Year Ended October 31, 1935

	Tramways		Buses		Total	
	\$	c.	\$	c.	\$	c.
Operating Revenues:						
Revenue from transportation.....	721,395.	33	191,972.	85	913,368.	18
Revenue from other operations.....	6,455.	57	578.	78	7,034.	35
Operating revenues.....	727,850.	90	192,551.	63	920,402.	53
Operating Expenses:						
Maintenance of way and structures.....	46,621.	66			46,621.	66
Maintenance of equipment.....	63,348.	31	48,387.	31	111,735.	62
Power purchased.....	148,474.	18			148,474.	18
Transportation expenses.....	244,933.	21	108,719.	60	353,652.	81
Traffic expenses.....	10.	00			10.	00
General and miscellaneous expenses.....	70,887.	68	10,005.	37	80,893.	05
Depreciation provision.....	2,822.	13	5,850.	00	8,672.	13
Operating expenses.....	577,097.	17	172,962.	28	750,059.	45
Net Operating Revenues.....	150,753.	73	19,589.	35	170,343.	08
Taxes.....	29,248.	76	3,464.	66	32,713.	42
Net Operating Income.....	121,504.	97	16,124.	69	137,629.	66
Interest on advances from Niagara System.....					10,292.	27
Net Income—before full provision for depreciation.....					127,337.	39
Disposition of Net Income:						
Dividend appropriations of income.....					127,337.	39
Balance Transferred to Corporate Surplus.....					NIL	
NOTE—Interest on Commission's advances to, and investment in capital stock of The Hamilton Street Railway Company—						
Interest on advances.....					10,292.	27
Interest on investment in capital stock—dividend.....					127,337.	39
					137,629.	66

GUELPH RADIAL RAILWAY

(Operated by The Hydro-Electric Power Commission of Ontario)

FINANCIAL ACCOUNTS

For the Year ended October 31, 1935

Balance Sheet as at October 31, 1935

Operating and Income Accounts for the Year ended October 31, 1935

GUELPH RADIAL

(Operated by The Hydro-Electric

Balance Sheet as at

ASSETS

INVESTMENTS:

Road and equipment.....	\$441,193.53
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CURRENT AND ACCRUED ASSETS:

Cash.....	\$ 11,104.92	
Miscellaneous accounts receivable.....	1,780.54	
Interest receivable.....	1,031.25	
Due from the City of Guelph:		
Operating deficit for year ended October 31, 1935.....	\$ 36,263.39	
Less—Amount due to the City of Guelph as per purchase agreement.....	11,700.00	
	\$ 24,563.39	
Less—Overpayment on deficit for the year ended October 31, 1934.....	392.61	
	24,170.78	38,087.49

DEFERRED DEBITS:

Materials and supplies.....	\$ 6,627.76	
Employee's working funds.....	900.00	
Prepayments.....	506.37	
		8,034.13

SPECIAL FUNDS:

Reserve fund investments.....	47,463.31
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\$534,778.46

Approved by:—

A. MURRAY McCRIMMON - - - Controller.

T. S. LYON - - Chairman of the Commission.

RAILWAY

Power Commission of Ontario)

October 31, 1935

LIABILITIES, RESERVES AND EQUITY

LONG-TERM DEBT:

5% Hydro-Radial debentures due November 1, 1970 (Issued for extensions and betterments, secured by \$300,000.00 5% City of Guelph debentures due May 1, 1971.)	\$ 300,000.00
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CURRENT AND ACCRUED LIABILITIES:

Accounts payable.....	\$ 8,677.03	
Matured interest unpaid.....	7,500.00	
		16,177.03

DEFERRED CREDITS:

Premium on funded debt.....	20,767.65
-----------------------------	-----------

RESERVES:

Reserve for depreciation—road and equipment.....	\$ 29,896.09	
Operating reserves.....	2,675.32	
		32,571.41

EQUITY OF THE CITY OF GUELPH:

Purchase price of the railway as per purchase agreement of December 8, 1920.....	\$150,000.00	
Less—Twenty-nine instalments thereon.....	99,714.65	
	\$ 50,285.35	
Reserve—Created by payment of instalments on the purchase price out of the revenue of the road and assessments against the City of Guelph.....	99,714.65	
Sinking fund reserve.....	15,262.37	
		165,262.37
		<u>\$ 534,778.46</u>

Auditors' Certificate

We have examined the Books and Accounts of the Guelph Radial Railway for the year ended the 31st October, 1935, and report that, subject to the adequacy of the Reserve for Depreciation, in our opinion the above Balance Sheet is properly drawn up so as to exhibit a true and correct view of the state of the Railway's affairs at the 31st October, 1935, according to the best of our information and the explanations given to us and as shown by the books of the Railway. We have obtained all the information and explanations we have required.

..... OSCAR HUDSON AND CO."

Chartered Accountants

Dated at Toronto, Ontario,

30th March, 1936

Auditors

GUELPH RADIAL RAILWAY

(Operated by The Hydro-Electric Power Commission of Ontario)

Operating and Income Accounts for the Year Ended October 31, 1935

Operating Account

	Tramways		Buses	Total
	\$	c.	\$	c.
Operating Revenues:				
Revenue from transportation.....	46,235.08		15,880.27	62,115.35
Revenue from other operations.....	467.73		38.21	505.94
Operating revenues.....	46,702.81		15,918.48	62,621.29
Operating Expenses:				
Maintenance of way and structures.....	4,843.56			4,843.56
Maintenance of equipment.....	10,606.34		1,991.81	12,598.15
Power purchased.....	10,783.90			10,783.90
Transportation expenses.....	17,063.50		10,938.49	28,001.99
Traffic expenses.....	15.00			15.00
General and miscellaneous expenses.....	7,365.36		3,393.81	10,759.17
Depreciation provision.....	1,299.91		512.90	1,812.81
Operating expenses.....	51,977.57		16,837.01	68,814.58
Net Operating Deficit.....	5,274.76		918.53	6,193.29
Taxes.....	244.37			244.37
Net Operating Loss.....	5,519.13		918.53	6,437.66

Income Account

Net Operating Loss (as above).....	\$6,437.66
Net Interest Charges:	
Interest on long-term debt.....	\$15,000.00
Amortization of premium on debt.....	235.99
	\$14,764.01
Income from special funds.....	\$2,312.48
Miscellaneous interest income.....	308.14
	2,620.62
	12,143.39
Net Loss.....	\$18,581.05
Sinking Fund Appropriation for the Year:	
Principal.....	\$3,159.00
Interest.....	465.51
	3,624.51
Deficiency After Sinking Fund Appropriation.....	\$22,205.56
Miscellaneous Debits:	
Reserve appropriation—instalment on purchase agreement.....	\$11,700.00
Loss on retired bus equipment.....	2,357.83
	14,057.83
Total Deficit Charged to the City of Guelph.....	\$36,263.39

SECTION X

MUNICIPAL ACCOUNTS

And Statistical Data Relating to Hydro-Electric Distribution Systems Operated by Individual Municipalities Served by The Hydro-Electric Power Commission of Ontario

The Municipal Accounts section of this report presents in summary, and individually, the results of the operation of the local electrical utilities in municipalities owning their own distributing systems and operating with energy supplied by or through The Hydro-Electric Power Commission.

Financial statements prepared from the books of these "Hydro" utilities are submitted herein to show how each has operated during the past year, and its financial status at the present time. Other tables give useful statistical information respecting average costs for the various classes of service and the rates in force.

The books of account of the electrical utilities in all municipalities which have contracted with The Hydro-Electric Power Commission of Ontario for a supply of power are kept in accordance with an accounting system designed by the Commission.

Periodical inspections are made of the books of all "Hydro" electrical utilities and local officials are assisted in the improvement of their office routine with a view to standardizing, as far as possible, the methods employed. In the majority of the smaller municipalities much of the bookkeeping for the electrical utilities is performed by representatives of the municipal accounting department of the Commission as a measure of economy. This arrangement insures the correct application of the standard accounting system, with resultant uniformity in classification of revenues and expenditures; secures true reflections of the actual operating results for the year, and greatly enhances the comparative values of the reports.

The first financial statement in this section presents consolidated balance sheets for each year since 1912, and thus shows the march of progress. It combines the balance sheets of the local municipal utilities of all the systems.

It is worth noting that the total plant value has increased from \$10,081,469.16 in 1913 to \$91,756,564.75 in 1935, and the total assets from \$11,907,826.86 to \$144,850,495.71. The liabilities have not increased in the same proportion as the assets, rising from \$10,468,351.79 to a maximum of \$52,685,316.86 in 1932 and receding to \$43,134,006.30 in 1935. The reasons for this are the regular fulfilment of debt retirement schedules under serial debenture provisions or by maturity of sinking funds, and also the fact that much of the cost of the increasing plant value has been financed out of reserves and surplus without increasing the capital liabilities of the respective utilities. By this procedure the funds of the systems are used to best advantage. Examination of the results will also show that there is a steady decline in the percentage of net liabilities to total assets; being from 88.0 per cent in 1913 to 32.0 per cent in 1935. The equities in The Hydro-Electric Power Commission's systems automatically acquired through the inclusion of sinking funds as part of the cost of power are not taken into account in arriving at these percentages.

The second financial statement presents consolidated operating reports for each year since "Hydro" service was inaugurated and combines the results from the local municipal utilities of all the systems. After providing for every cost of operation and fixed charges, including the standard provision for depreciation, the combined operating reports show a net surplus of \$1,247,549.33 for 1935.

The five statements, "A" to "E," following the two consolidated reports show the financial status of each municipal utility and the results of operations, giving classified information respecting revenue, operating costs, number of consumers and consumption, cost of power to municipalities, power and lighting rates charged to consumers, etc. In statements "A" and "B", the municipalities are arranged alphabetically under each system; in statement "D" the municipalities are arranged in three groups—cities, towns and small municipalities; in statements "C" and "E" all municipalities are arranged alphabetically.

Statement "A" presents the balance sheet of each electrical utility. The plant values are shown under the general subdivisions specified in the standard accounting system and the other items on the positive side of the ledger which are included in total assets are self-explanatory with the exception, perhaps, of the item entitled "equity in H-E.P.C systems." The sinking fund portion of the cost paid year by year to the Commission for power is for the purpose of ultimately retiring the capital liabilities incurred by the Commission on behalf of the municipalities. A municipality's aggregate equity in the Commission's systems at any time is the total of the sinking fund payments that have been credited to it, together with interest. The total sinking fund equity acquired by these municipalities to the end of 1935 is shown in the consolidated balance sheet to be \$32,609,979.83.

In conformity with a policy of service at cost to the customer, refunds by cash or credit were made during the year in many municipalities from surplus funds accrued to the credit of municipal services, such as street lighting, water works, sewage disposal, etc., and to individual customers. The amounts of the accumulated surpluses rebated equalled, in different municipalities, from five per cent to twenty-five per cent of the previous year's revenue. The total thus returned to customers during the year 1935 amounted in round figures to \$335,000.00.

In each case the balance sheet includes the credit or charge representing the difference between the monthly payments for power at interim rates and the cost of power as ascertained by the Commission upon annual adjustment.

The reserves for depreciation, and the acquired equity in The Hydro-Electric Power Commission's systems, are listed individually and totalled; and under the heading "surplus" are included not only the free operating surplus but the accumulation of sinking fund applicable to debenture debt and also the amount of debentures already retired out of revenue.

The depreciation reserve now amounts to 22.5 per cent of the total depreciable plant, while the depreciation reserve and surplus combined have already reached the sum of \$66,647,434.60, approximately 72.6 per cent of the total plant cost.

Statement "B" shows detailed operating reports for each municipal electrical utility. It gives annual revenues from the various classes of consumers; the items of expenditure which make up the total annual expenditure and the sums set aside for depreciation. The population served by each local utility, and the number of consumers of each class are also shown.

The item "power purchased" in this statement includes the debit or credit balances ascertained by the annual adjustment of the cost of power supplied to the municipalities by the Commission.

Of the 284 municipal electric utilities included in this statement, 265 received from consumers revenue sufficient to meet in full all operating expenses, interest, debt retirement instalments, and standard depreciation reserve allocation and to yield an aggregate net surplus of \$1,273,325.07 for the year; 18 were able to defray out of revenue all such charges except a portion of the standard depreciation allocation aggregating \$25,395.87; in the case of one utility the revenue was less than the total of operating expenses, interest and debt retirement instalments by \$161.87.

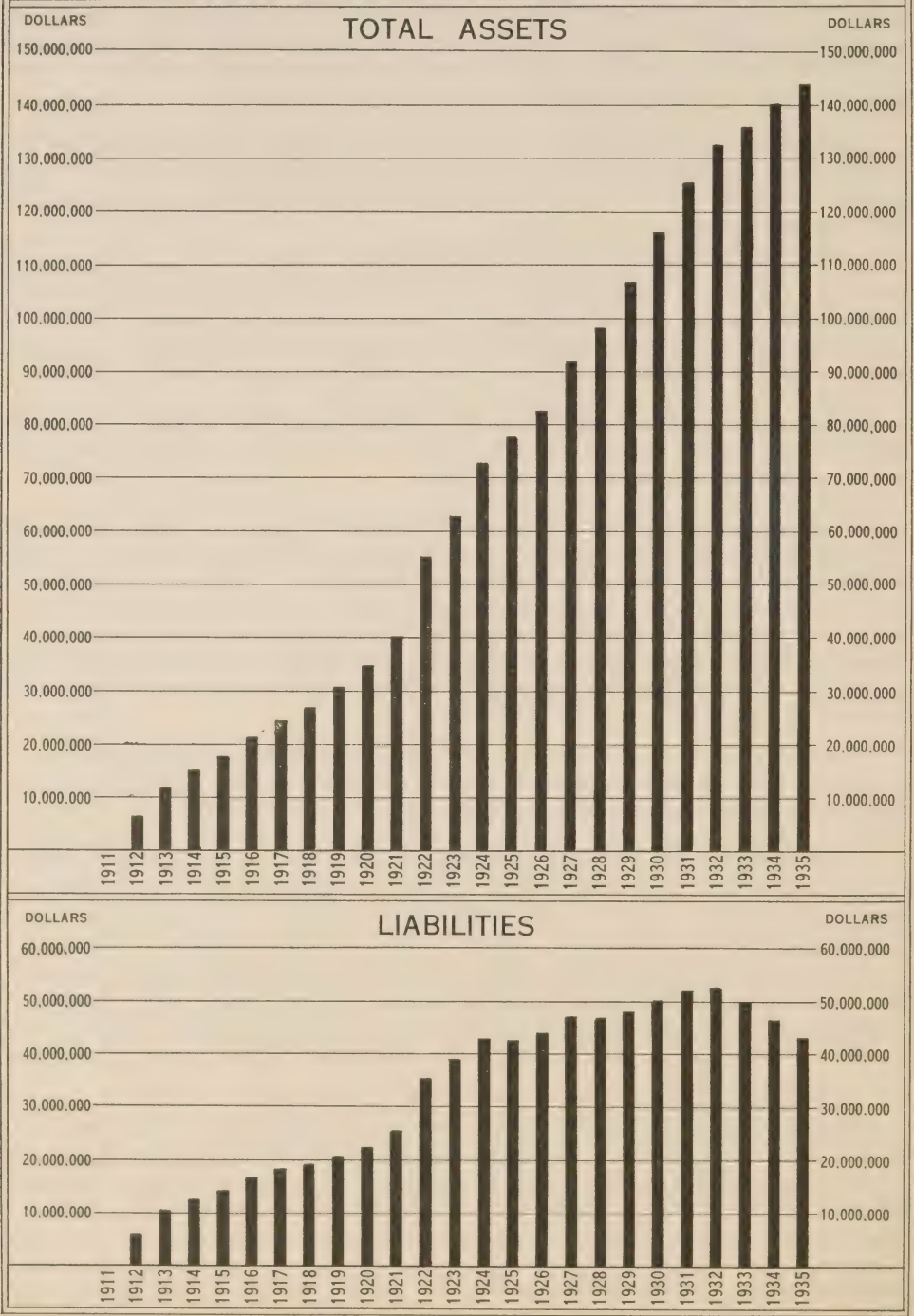
Statement "C" shows the installation of street lights in each municipality together with the rates approved by this Commission, the revenue for 1935 and the cost per capita in each municipality.

Statement "D" presents statistics relating to the supply of electrical energy to consumers in Ontario municipalities served by the Commission. It shows the revenue, kilowatt-hour consumption, number of consumers, average monthly consumption, average monthly bill and the net average cost per kilowatt-hour both for domestic and for commercial light service in each municipality. For power service this statement shows the revenue, the number of consumers and the average horsepower supplied by the municipal utility.* For further reference to this informative statement, consult the special introduction to it on page 396.

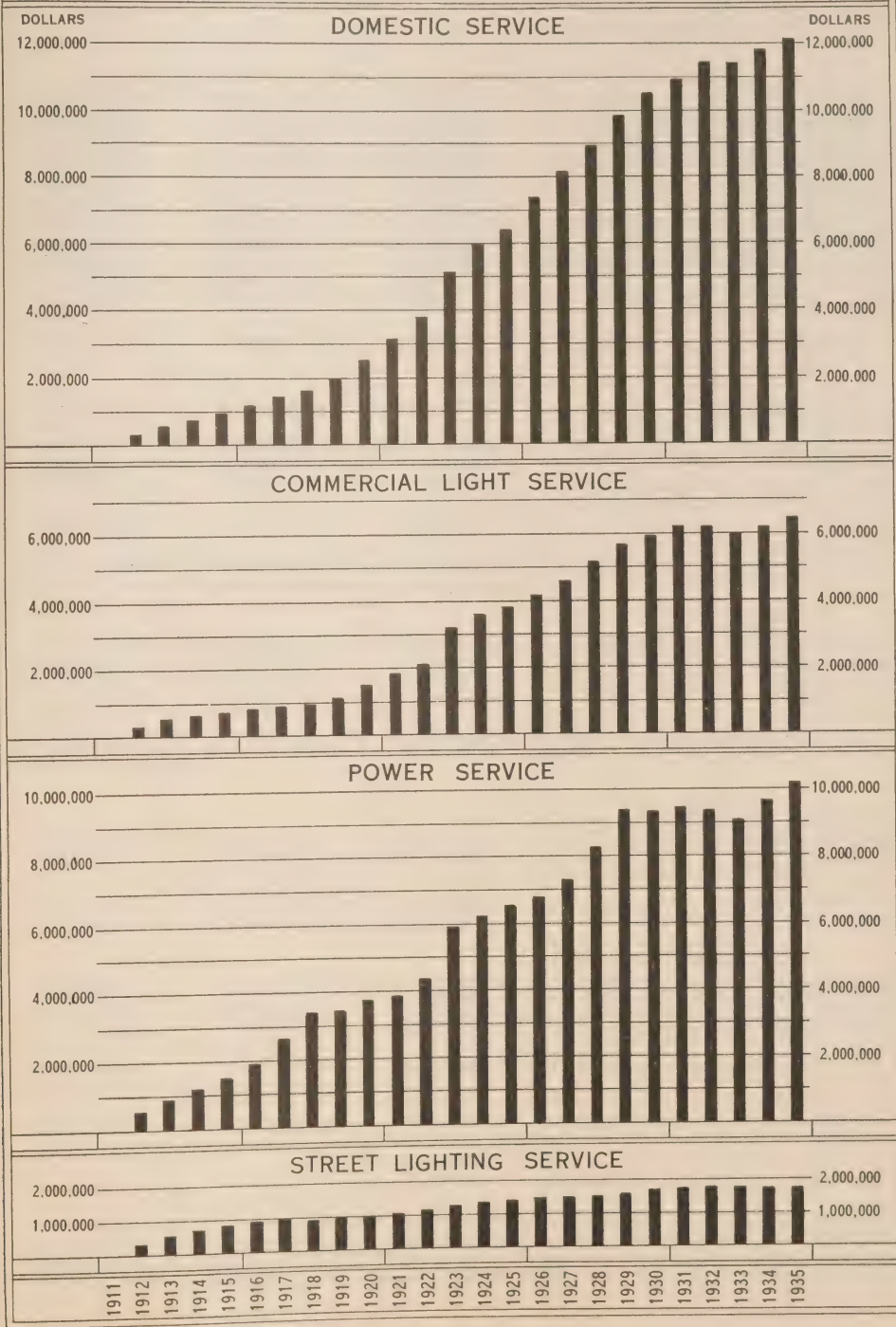
Statement "E" presents the cost per horsepower of the power provided for and delivered to the municipalities by the Commission, and the local rates to consumers in force in the respective municipalities, during the year 1935, for domestic service, for commercial light service and for power service.

*The statistics include retail power only. Wholesale industrial power as supplied by the Commission direct, is reported in Section IX.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO
HYDRO UTILITIES OF CO-OPERATING URBAN MUNICIPALITIES
TWENTY-FIVE YEARS RECORD



THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO
HYDRO UTILITIES OF CO-OPERATING URBAN MUNICIPALITIES
TWENTY-FIVE YEARS REVENUES



CONSOLIDATED

YEAR.....	1913	1914	1915
Number of municipalities included.....	45	69	99
ASSETS	\$ c.	\$ c.	\$ c.
Lands and buildings.....	626,707.34	791,732.20	873,838.18
Substation equipment.....	1,090,875.69	1,476,087.84	1,582,062.56
Distribution system—overhead.....	2,690,834.74	3,422,763.93	4,234,626.05
Distribution system—underground.....	644,514.24	807,153.53	928,420.77
Line transformers.....	615,546.20	787,613.52	981,754.70
Meters.....	840,606.64	1,172,475.11	1,418,165.08
Street lighting equipment—regular.....	900,614.80	1,071,255.37	1,309,628.49
Street lighting equipment—ornamental.....	62,765.34	270,386.55	197,644.82
Miscellaneous construction expenses.....	866,551.89	2,062,035.90	1,701,182.66
Steam or hydraulic plant.....	1,401,175.28	420,108.33	461,651.60
Old plant.....	341,277.00	619,513.12	1,184,372.86
Total plant.....	10,081,469.16	12,901,125.40	14,873,347.77
Bank and cash balance.....	450,887.97	422,350.12	284,653.96
Securities and investments.....			
Accounts receivable.....	344,487.95	561,873.08	602,920.69
Inventories.....	540,274.58	615,226.76	726,556.76
Sinking fund on local debentures.....	431,747.27	625,217.03	868,983.78
Equity in H-E.P.C. systems.....			
Other assets.....	58,959.93	123,410.97	326,801.11
Total assets.....	11,907,826.86	15,249,203.36	17,683,264.07
LIABILITIES			
Debenture balance.....	8,711,308.37	10,678,078.36	11,831,811.03
Accounts payable.....	1,553,711.45	1,682,150.29	2,040,038.01
Bank overdraft.....	160,919.16	228,622.50	292,106.44
Other liabilities.....	42,412.81	113,888.66	37,388.31
Total liabilities.....	10,468,351.79	12,702,689.81	14,201,343.79
RESERVES			
For equity in H-E.P.C. systems.....			
For depreciation.....	478,145.88	850,618.07	1,337,739.73
Other reserves.....			
Total reserves.....	478,145.88	850,618.07	1,337,739.73
SURPLUS			
Debentures paid.....	202,751.26	320,129.10	394,466.22
Local sinking fund.....	431,747.27	625,217.03	868,983.78
Operating surplus.....	326,830.66	750,549.35	880,730.55
Total surplus.....	961,329.19	1,695,895.48	2,144,180.55
Total liabilities, reserves and surplus.....	11,907,826.86	15,249,203.36	17,683,264.07
Percentage of net debt to total assets..	88.0	88.3	80.3

NOTE.—In computing the “percentage of net debt to total assets” the ornamental street lighting capital, sinking fund on local debentures, and equity in H-E.P.C. systems, are excluded from assets; and the total liabilities are reduced by the amount of the local sinking

BALANCE SHEET

1916	1917	1918	1919	1920
128	143	166	191	195
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1,335,936.33	1,546,241.41	1,859,888.69	1,995,545.83	2,175,568.24
1,934,626.12	2,471,293.82	2,820,488.70	2,915,125.56	3,231,050.80
4,832,353.27	6,090,073.42	6,627,237.39	7,445,820.31	8,579,881.49
1,095,709.62	1,157,059.90	1,216,288.59	1,206,296.88	1,313,369.29
1,179,132.07	1,483,839.44	1,772,691.35	2,073,113.45	2,560,581.59
1,711,299.49	1,999,095.48	2,238,143.70	2,587,566.32	3,053,135.20
1,251,057.13	1,237,734.69	1,200,625.65	1,206,638.71	1,269,006.98
306,388.95	361,975.74	531,502.61	546,497.68	557,678.13
2,059,263.42	2,184,015.84	2,395,096.50	2,530,101.08	2,697,636.12
864,500.01	896,753.20	214,575.75	986,200.57	757,194.47
759,748.66	649,852.51	1,476,413.00	805,959.89	864,298.39
17,330,015.07	20,077,935.45	22,352,951.93	24,298,866.28	27,059,400.70
1,061,029.90	340,026.50	391,194.91	462,437.23	943,858.12
695,152.23	1,285,097.33	1,124,018.44	627,076.53	341,855.88
764,504.59	1,261,398.36	972,996.96	1,921,166.69	2,022,538.88
1,166,017.73	1,337,578.96	1,663,298.05	1,032,569.75	1,400,671.89
342,215.87	125,240.05	444,787.63	1,925,455.77	2,244,004.34
21,358,935.39	24,427,276.65	26,949,247.92	369,071.89	577,584.06
			86,216.05	25,447.07
15,058,641.57	15,593,773.61	17,209,217.70	30,722,860.19	34,615,360.94
969,187.75	1,537,669.11	1,007,727.79		
178,413.26	886,177.94	576,816.49		
491,874.90	429,104.20	350,013.21		
16,698,117.48	18,446,724.86	19,143,775.19	18,133,462.44	19,268,072.04
			1,420,926.66	1,840,137.54
			403,235.57	514,671.99
			670,271.90	642,293.65
			20,627,896.57	22,265,175.22
1,843,804.68	2,463,723.83	3,133,550.17	373,871.89	577,584.06
			3,750,162.28	4,788,645.03
1,843,804.68	2,463,723.83	3,133,550.17		
549,778.59	694,797.90	920,076.56	1,328,657.68	1,440,156.52
1,165,785.94	1,340,615.38	1,662,602.69	1,754,020.37	2,246,474.47
1,101,448.70	1,481,414.68	2,089,243.31	2,888,251.40	3,297,325.64
2,817,013.23	3,516,827.96	4,671,922.56	5,970,929.45	6,983,956.63
21,358,935.39	24,427,276.65	26,949,247.92	30,722,860.19	34,615,360.94
78.4	75.5	71.0	67.9	65.4

fund reserve, and the liability in respect to the ornamental street lighting capital, which amount is included in other liabilities.

CONSOLIDATED

YEAR.....	1921	1922	1923
Number of municipalities included.....	215	226	235
ASSETS	\$ c.	\$ c.	\$ c.
Lands and buildings.....	3,230,985.63	3,334,522.68	4,488,054.93
Substation equipment.....	5,403,689.90	5,046,857.98	6,015,919.75
Distribution system—overhead.....	8,397,361.48	11,165,330.24	13,135,581.76
Distribution system—underground.....	1,401,135.97	1,598,053.02	1,959,120.41
Line transformers.....	3,077,649.83	3,618,684.73	4,211,655.89
Meters.....	3,552,076.79	4,033,689.52	4,548,933.73
Street lighting equipment—regular.....	1,335,997.13	1,419,016.05	1,061,473.85
Street lighting equipment—ornamental.....	610,586.70	666,084.50	708,431.22
Miscellaneous construction expenses.....	3,030,134.16	3,261,495.74	3,681,274.88
Steam or hydraulic plant.....	704,848.46	565,158.54	566,619.86
Old plant.....	912,388.55	7,997,947.87	8,051,496.28
Total plant.....	31,656,854.60	42,706,840.87	48,428,562.56
Bank and cash balance.....	900,842.34	1,164,336.24	1,276,140.06
Securities and investments.....	477,678.69	443,938.18	1,153,424.47
Accounts receivable.....	2,155,788.62	3,874,317.14	3,198,769.34
Inventories.....	1,504,596.28	1,738,795.96	1,819,711.62
Sinking fund on local debentures.....	2,541,718.35	3,416,231.45	3,896,261.28
Equity in H-E.P.C. systems.....	795,570.51	1,543,434.12	2,929,603.94
Other assets.....	78,929.84	238,940.13	190,071.63
Total assets.....	40,111,979.23	55,126,834.09	62,892,544.90
LIABILITIES			
Debenture balance.....	21,619,220.99	30,454,186.12	33,056,501.29
Accounts payable.....	1,887,567.93	3,699,292.52	3,708,781.76
Bank overdraft.....	989,099.98	456,706.69	680,714.59
Other liabilities.....	938,368.84	586,203.02	1,517,828.47
Total liabilities.....	25,434,257.74	35,196,388.35	38,963,826.11
RESERVES			
For equity in H-E.P.C. systems.....	800,249.05	1,543,434.12	2,929,603.94
For depreciation.....	5,491,858.93	6,512,813.92	7,328,858.69
Other reserves.....			
Total reserves.....	6,292,107.98	8,056,248.04	10,258,462.63
SURPLUS			
Debentures paid.....	1,860,079.53	3,104,591.15	2,852,038.38
Local sinking fund.....	2,541,718.35	3,416,231.45	3,896,261.28
Operating surplus.....	3,983,815.63	5,353,375.10	6,921,956.50
Total surplus.....	8,385,613.51	11,874,197.70	13,670,256.16
Total liabilities, reserves and surplus.....	40,111,979.23	55,126,834.09	62,892,544.90
Percentage of net debt to total assets..	64.7	63.3	62.6

BALANCE SHEET—Continued

1924	1925	1926	1927	1928
248	247	251	252	256
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
4,561,648.92	5,768,855.99	6,111,162.54	6,486,426.89	7,024,646.76
6,800,238.00	8,543,166.55	9,505,501.77	15,088,905.14	16,866,186.21
14,182,190.33	16,837,535.57	18,654,240.54	16,689,462.41	17,688,050.68
2,873,446.13	3,388,837.09	3,689,569.95	3,278,382.58	3,559,288.16
4,456,669.02	5,079,754.23	5,538,605.24	5,985,521.37	6,549,674.64
5,149,629.71	5,533,483.92	5,963,162.51	6,346,660.59	6,839,802.90
1,134,491.77	1,256,916.53	1,309,608.30	1,399,314.06	1,486,646.24
728,298.08	893,186.48	1,103,660.23	1,184,035.82	1,203,706.65
4,168,262.21	4,485,110.96	3,456,777.71	3,360,671.09	3,394,626.92
4,196,803.45	568,912.49	628,909.57	607,320.00	619,880.93
5,587,420.31	4,549,142.46	4,655,422.59	5,095,555.90	5,032,089.26
53,839,097.93	56,904,902.27	60,616,620.95	65,522,255.85	70,264,599.35
1,748,912.34	1,700,145.30	2,136,290.79	3,014,832.48	1,342,367.07
1,329,622.58	1,095,662.92	1,400,316.43	1,696,237.66	1,837,140.51
3,898,751.89	3,417,558.86	3,508,817.87	3,715,770.72	4,097,446.13
1,745,628.16	1,711,504.13	1,397,667.83	1,412,729.41	1,220,186.10
4,520,723.06	5,202,451.70	5,599,675.01	6,398,909.77	7,071,273.69
5,420,567.58	7,551,588.70	8,046,868.53	10,143,205.66	12,326,097.56
250,292.77	137,280.05	33,151.81	31,942.45	153,275.04
72,753,596.31	77,721,093.93	82,739,409.22	91,935,884.00	98,312,385.45
38,005,162.50	37,919,225.01	39,602,533.48	42,891,361.57	42,597,175.78
3,117,224.08	3,139,067.92	3,118,684.78	2,988,621.90	3,074,634.25
162,100.71	226,147.82	163,725.53	252,362.52	253,143.81
1,780,564.27	1,075,914.83	1,087,795.08	1,154,810.24	1,258,610.23
43,065,051.56	42,360,355.58	43,972,738.87	47,287,156.23	47,183,564.07
5,420,567.58	7,551,588.70	8,046,868.53	10,143,205.66	12,326,097.56
8,097,834.68	8,699,437.68	9,360,322.27	10,319,889.05	11,140,795.68
.....	1,157,147.20	947,970.23	1,002,916.69	1,117,257.63
13,518,402.26	17,408,173.58	18,355,161.03	21,466,011.40	24,584,150.87
3,530,610.35	4,440,138.34	5,493,879.83	6,648,767.38	7,928,907.61
4,520,723.06	5,202,451.70	5,599,675.01	6,398,909.77	7,071,273.69
8,118,809.08	8,309,974.73	9,317,954.48	10,135,039.22	11,544,489.21
16,170,142.49	17,952,564.77	20,411,509.32	23,182,716.37	26,544,670.51
72,753,596.31	77,721,093.93	82,739,409.22	91,935,884.00	98,312,385.45
61.4	57.2	55.5	54.2	50.8

CONSOLIDATED

YEAR.....	1929	1930	1931
Number of municipalities included.....	260	267	275
ASSETS	\$ c.	\$ c.	\$ c.
Lands and buildings.....	7,469,451.46	7,936,974.31	8,407,664.48
Substation equipment.....	18,102,792.13	19,485,056.28	21,013,956.74
Distribution system—overhead.....	18,108,016.82	19,220,326.48	19,918,355.76
Distribution system—underground.....	4,823,369.60	4,932,189.05	5,361,627.24
Line transformers.....	7,312,742.17	7,953,090.23	8,649,875.07
Meters.....	7,405,478.91	7,840,948.07	8,106,202.88
Street lighting equipment—regular.....	1,594,183.25	1,780,785.67	2,205,613.18
Street lighting equipment—ornamental.....	1,458,349.64	1,520,891.01	1,456,742.91
Miscellaneous construction expenses.....	3,483,487.78	3,996,747.77	3,827,132.05
Steam or hydraulic plant.....	489,097.57	139,587.28	458,374.05
Old plant.....	5,093,378.75	5,322,690.14	7,146,437.96
Other plants not distributed.....			
Total plant.....	75,340,348.08	80,129,286.29	86,551,982.32
Bank and cash balance.....	858,733.68	2,722,250.12	2,738,319.67
Securities and investments.....	2,001,088.81	1,909,439.11	1,999,846.42
Accounts receivable.....	4,683,201.97	4,481,006.92	3,957,972.78
Inventories.....	1,365,033.58	1,242,994.51	1,276,531.01
Sinking fund on local debentures.....	7,753,613.88	8,396,255.47	8,735,050.84
Equity in H-E.P.C. systems.....	14,754,865.40	17,346,372.44	20,103,275.76
Other assets.....	152,260.86	173,030.05	174,879.28
Total assets.....	106,909,146.26	116,400,634.91	125,537,858.08
LIABILITIES			
Debenture balance.....	42,930,127.74	45,091,808.06	44,594,400.03
Accounts payable.....	3,132,145.03	3,001,186.21	5,382,306.13
Bank overdraft.....	412,056.69	405,663.14	312,575.54
Other liabilities.....	1,621,378.17	1,642,771.59	1,909,986.13
Total liabilities.....	48,095,707.63	50,141,429.00	52,199,267.83
RESERVES			
For equity in H-E.P.C. systems.....	14,754,865.40	17,346,372.44	20,103,275.76
For depreciation.....	11,911,154.49	12,885,387.51	13,748,049.68
Other reserves.....	1,437,371.26	1,574,655.74	1,693,129.83
Total reserves.....	28,103,391.15	31,806,415.69	35,544,455.27
SURPLUS			
Debentures paid.....	9,194,253.59	10,728,279.15	13,150,040.37
Local sinking fund.....	7,962,121.20	8,396,255.47	8,735,050.84
Operating surplus.....	13,553,672.69	15,328,255.60	15,909,043.77
Total surplus.....	30,710,047.48	34,452,790.22	37,794,134.98
Total liabilities, reserves and surplus.....	106,909,146.26	116,400,634.91	125,537,858.08
Percentage of net debt to total assets.....	47.8	46.0	44.1

BALANCE SHEET—Concluded

1932	1933	1934	1935
280	282	282	284
\$ c.	\$ c.	\$ c.	\$ c.
9,503,743.78	10,186,471.28	10,262,692.98	10,381,191.41
22,288,781.68	22,306,800.94	22,327,618.75	22,072,115.14
20,866,767.32	21,152,681.20	21,353,725.80	21,650,567.75
5,820,056.75	5,945,225.61	6,031,767.74	6,068,724.47
9,392,662.62	9,478,605.14	9,635,279.35	9,678,578.13
8,403,251.67	8,514,165.03	8,624,504.78	8,767,892.27
2,257,618.20	2,381,599.40	2,395,296.48	2,420,238.81
1,545,354.93	1,458,443.68	1,464,306.73	1,486,302.46
4,120,926.11	4,040,859.74	3,907,359.92	3,616,986.74
498,231.69	502,978.62	494,932.96	496,050.14
4,989,654.97	5,016,755.92	4,978,079.44	4,917,917.43
200,000.00	200,000.00	200,000.00	200,000.00
89,887,049.72	91,184,586.56	91,675,564.93	91,756,564.75
3,185,442.00	1,696,489.24	2,215,914.31	2,927,485.90
2,059,325.10	2,163,785.20	2,382,446.41	2,593,633.59
3,683,059.42	3,746,910.92	4,001,596.09	4,363,297.95
1,232,209.52	1,226,043.30	1,110,705.38	1,212,063.37
9,099,210.61	9,386,176.58	9,161,419.77	9,086,152.46
23,066,129.81	26,045,679.00	29,274,340.46	32,609,979.83
163,637.79	253,581.84	289,158.19	301,317.86
132,376,063.97	135,703,252.64	140,111,145.54	144,850,495.71
45,133,305.97	42,606,145.29	39,646,989.68	36,667,080.62
3,512,724.58	3,320,485.45	3,149,035.07	2,931,934.14
298,910.20	206,398.00	143,556.95	72,084.93
3,740,376.11	3,787,725.14	3,669,008.56	3,462,906.61
52,685,316.86	49,920,753.88	46,608,590.26	43,134,006.30
23,066,129.81	26,045,679.00	29,274,340.46	32,609,979.83
14,902,177.02	16,075,959.28	17,426,809.32	18,410,891.84
1,902,308.64	2,048,081.84	2,056,820.81	2,459,074.98
39,870,615.47	44,169,720.12	48,757,970.59	53,479,946.65
15,244,778.28	17,651,367.71	20,608,129.73	23,481,974.13
9,099,210.61	9,386,176.58	9,161,419.77	9,086,152.46
15,476,142.75	14,575,234.35	14,975,035.19	15,668,416.17
39,820,131.64	41,612,778.64	44,744,584.69	48,236,542.76
132,376,063.97	135,703,252.64	140,111,145.54	144,850,495.71
43.4	40.4	35.9	32.0

CONSOLIDATED

YEAR.....	1912	1913	1914	1915
Number of municipalities included	28	45	69	99
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....		572,154.38	789,130.81	944,271.08
Commercial light service.....		525,438.16	673,803.92	720,209.26
Commercial power service.....		905,378.17	1,214,829.31	1,501,797.78
Municipal power.....				
Street lighting.....		560,925.56	698,409.71	835,970.87
Rural service.....				
Miscellaneous.....		53,543.24	57,482.41	68,046.29
Total earnings.....	1,617,674.00	2,617,439.51	3,433,656.16	4,070,295.28
EXPENSES				
Power purchased.....		789,632.87	1,045,752.65	1,484,666.00
Substation operation.....		78,394.81	97,658.90	107,607.31
Substation mainteance.....		18,698.46	31,790.99	25,935.56
Distribution system, operation and maintenance.....		104,114.51	130,998.65	154,409.71
Line transformer maintenance.....		8,547.61	11,764.32	11,508.92
Meter maintenance.....		5,222.19	9,536.07	12,899.14
Consumers' premises expenses.....		53,108.38	65,192.23	47,494.26
Street lighting, operation and maintenance.....		84,903.76	113,047.80	136,983.38
Promotion of business.....		72,303.51	86,683.02	74,402.55
Billing and collecting.....		77,351.76	103,560.71	131,541.27
General office, salaries and expenses.....		154,932.69	230,899.75	236,777.86
Undistributed expense.....		65,423.64	89,350.91	129,209.15
Interest.....		528,549.21	662,092.34	817,978.89
Sinking fund and principal payments on debentures.....		*	*	*
Total expenses.....	1,377,168.00	2,041,183.40	2,678,328.34	3,371,414.00
Surplus.....	240,506.00	576,256.11	755,327.82	698,881.28
Depreciation and other reserves....	124,992.47	262,675.24	357,883.31	414,506.99
Surplus less depreciation.....	115,513.53	313,580.87	397,444.51	284,374.29

*Debenture payments included in "Interest."

OPERATING REPORT

1916	1917	1918	1919	1920
128	143	166	181	186
\$ c. 1,172,878.96 812,130.78 1,921,152.31	\$ c. 1,417,460.31 899,023.72 2,665,280.65	\$ c. 1,632,272.12 968,899.42 3,417,248.37	\$ c. 1,991,632.31 1,175,143.56 3,443,107.13	\$ c. 2,546,345.30 1,512,854.63 3,752,188.22 532,279.09 1,005,535.11 168,919.95 189,778.63
930,057.48	967,495.10	902,875.55	988,900.95	1,005,535.11
147,381.50	120,805.39	161,243.70	228,270.65	168,919.95
4,983,601.03	6,070,065.17	7,082,039.16	7,827,054.60	9,707,900.93
1,959,446.83 153,761.08 46,131.53	2,573,879.37 203,091.20 42,129.04	2,807,769.33 238,257.34 60,805.92	3,284,490.68 217,638.89 81,853.63	4,216,667.87 285,407.35 102,050.81
154,247.17 14,528.17 24,218.48 52,602.01	169,326.24 25,328.95 44,461.55 61,765.14	223,347.81 30,488.83 63,155.56 65,149.59	286,310.76 42,509.12 78,726.64 84,301.24	344,551.57 46,323.09 123,701.18 116,283.52
145,471.50 79,324.85 154,508.58 306,709.35 97,333.97 951,781.99	157,857.73 73,516.37 188,083.84 349,932.05 102,938.80 1,085,180.80	196,157.18 64,962.78 208,660.76 421,680.15 117,474.07 1,238,425.53	215,963.86 74,789.22 236,504.75 452,131.22 190,690.09 1,285,571.51	236,930.79 78,294.85 295,942.88 559,695.29 256,400.33 1,431,807.16
*	*	*	*	*
4,140,065.51	5,077,491.08	5,736,334.85	6,531,481.61	8,094,056.69
843,535.52 486,141.80	992,574.09 607,296.29	1,345,704.31 718,162.30	1,295,572.99 814,219.37	1,613,844.24 902,028.75
357,393.72	385,277.80	627,542.01	481,353.62	711,815.49

CONSOLIDATED

YEAR.....	1921	1922	1923
Number of municipalities included	205	214	224
EARNINGS	\$ c.	\$ c.	\$ c.
Domestic service.....	3,149,080.03	3,786,608.23	5,166,452.24
Commercial light service.....	1,851,501.76	2,158,306.34	3,260,772.50
Commercial power service.....	3,895,437.46	4,383,912.97	5,927,666.37
Municipal power.....	654,531.01	973,263.38	1,161,598.60
Street lighting.....	1,060,357.77	1,160,446.81	1,269,604.48
Rural service.....	145,566.57	105,877.09	116,639.06
Miscellaneous.....	225,467.70	187,689.39	316,311.21
Total earnings.....	10,981,942.30	12,756,104.21	17,219,044.46
EXPENSES			
Power purchased.....	4,876,650.31	6,636,853.37	8,699,026.67
Substation operation.....	314,838.35	315,443.70	474,442.13
Substation maintenance.....	104,798.01	100,763.67	133,815.53
Distribution system, operation and maintenance.....	487,918.33	519,252.16	636,477.41
Line transformer maintenance.....	65,088.46	52,932.26	75,920.10
Meter maintenance.....	116,722.97	107,806.88	139,104.81
Consumers' premises expenses.....	134,854.92	143,388.88	218,682.02
Street lighting, operation and maintenance.....	297,481.52	297,363.86	299,579.08
Promotion of business.....	101,804.46	129,932.63	184,371.00
Billing and collecting.....	321,685.71	338,153.50	444,306.92
General office, salaries and expenses	656,268.11	605,852.50	937,463.47
Undistributed expense.....	308,874.42	385,895.03	359,206.91
Interest.....	998,611.47	1,074,657.44	1,615,205.16
Sinking fund and principal payments on debentures.....	532,183.96	635,469.90	990,907.14
Total expenses.....	9,317,781.00	11,343,765.78	15,208,508.35
Surplus.....	1,664,161.30	1,412,338.43	2,010,536.11
Depreciation and other reserves....	1,044,434.85	715,814.24	916,782.75
Surplus less depreciation.....	619,726.45	696,524.19	1,093,753.36

OPERATING REPORT—Continued

1924	1925	1926	1927	1928
241	242	248	251	255
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
5,993,231.07	6,439,159.86	7,372,602.62	8,189,866.89	8,925,050.56
3,566,227.22	3,866,292.79	4,187,899.19	4,626,815.51	5,182,723.32
6,222,865.88	6,568,854.77	6,789,217.54	7,342,173.20	8,298,669.44
1,352,966.47	1,923,093.09	1,922,512.34	1,913,502.88	1,921,300.97
1,356,668.97	1,415,382.22	1,457,686.21	1,489,242.37	1,534,476.98
75,100.24	37,975.18	37,810.73	13,765.72	48,451.90*
231,663.58	286,451.08	471,134.15	581,913.04	465,791.92
18,798,723.43	20,537,208.99	22,238,862.78	24,157,279.61	26,376,465.09
9,669,789.40	11,063,123.34	12,185,669.10	13,505,583.77	14,688,570.08
430,056.09	417,921.71	450,416.84	430,211.76	420,512.48
202,050.04	207,497.63	286,520.37	275,148.86	247,647.88
648,700.62	686,344.54	795,514.70	758,747.10	736,159.85
82,936.50	75,473.28	74,876.11	94,706.38	88,676.18
141,231.23	156,909.55	189,603.70	214,813.87	218,530.96
237,316.20	252,808.47	275,020.62	285,352.68	291,333.03
269,973.30	275,316.60	295,869.37	318,395.79	329,597.16
202,060.74	217,102.24	234,696.74	220,687.60	249,842.01
490,273.30	521,134.01	557,271.54	605,627.58	638,797.02
889,907.66	891,640.29	786,742.60	824,868.90	844,578.55
494,078.50	520,584.58	460,288.30	531,003.80	542,755.34
1,779,991.26	1,889,810.95	1,985,233.73	2,063,698.00	2,111,049.49
1,122,798.87	1,294,027.29	1,347,511.92	1,505,626.31	1,601,711.32
16,661,163.71	18,469,694.48	19,925,235.64	21,634,472.40	23,009,761.35
2,137,559.72	2,067,514.51	2,313,627.14	2,522,807.21	3,366,703.74
973,649.62	1,068,880.42	1,146,273.05	1,249,711.65	1,350,252.16
1,163,910.10	998,634.09	1,167,354.09	1,273,095.56	2,016,451.58

*See footnote on page 283.

CONSOLIDATED

YEAR.....	1929	1930	1931
Number of municipalities included	259	267	275
EARNINGS			
	\$ c.	\$ c.	\$ c.
Domestic service.....	9,873,681.57	10,542,903.89	10,972,952.10
Commercial light service.....	5,697,766.06	5,961,383.23	6,230,475.89
Commercial power service.....	9,376,158.74	9,340,653.28	9,456,224.97
Municipal power.....	2,086,444.24	2,111,482.38	1,967,118.54
Street lighting.....	1,598,262.43	1,674,528.03	1,746,855.24
Merchandise*	51,590.54*	28,954.60*	29,446.88*
Miscellaneous.....	522,780.95	581,914.78	511,139.80
Total earnings.....	29,206,684.53	30,241,820.19	30,914,212.92
EXPENSES			
Power purchased.....	16,379,162.88	17,323,077.97	18,085,166.51
Substation operation.....	461,270.27	479,502.48	487,484.17
Substation maintenance.....	274,275.56	320,716.48	303,536.11
Distribution system, operation and maintenance.....	907,817.04	991,972.86	1,015,256.14
Line transformer maintenance.....	93,608.14	96,746.35	93,463.24
Meter maintenance.....	242,126.27	278,379.43	284,633.88
Consumers' premises expense.....	314,495.03	317,902.45	363,078.47
Street lighting, operation and maintenance.....	359,373.40	372,211.17	368,119.49
Promotion of business.....	250,844.28	249,070.05	255,956.03
Billing and collecting.....	695,729.42	745,159.02	792,983.99
General office, salaries and expenses	904,025.64	907,226.89	923,676.84
Undistributed expense.....	502,206.06	523,862.96	520,893.10
Truck operation and maintenance..	110,630.62	112,029.82	107,918.93
Interest.....	2,152,695.49	2,220,214.45	2,328,094.32
Sinking fund and principal payments on debentures.....	1,687,201.64	1,828,061.62	2,061,718.79
Total expenses.....	25,335,461.74	26,766,134.00	27,991,980.01
Surplus.....	3,871,222.79	3,475,686.19	2,922,232.91
Depreciation and other reserves ...	1,469,846.83	1,574,991.68	1,775,330.69
Surplus less depreciation.....	2,401,375.96	1,900,694.51	1,146,902.22

OPERATING REPORT—Concluded

1932	1933	1934	1935
280	282	282	284
\$ c. 11,447,307.85 6,243,794.01 9,356,693.88 1,859,585.35 1,783,972.46 11,069.27* 513,787.30	\$ c. 11,429,101.13 6,013,025.96 9,080,522.07 1,826,872.07 1,779,582.48 12,812.74* 485,925.43	\$ c. 11,844,033.10 6,206,086.35 9,692,784.37 1,875,969.80 1,777,596.69 18,747.73* 555,172.04	\$ c. 12,145,219.89 6,458,748.57 10,211,968.71 1,821,285.82 1,788,760.38 21,669.98* 562,285.82
31,216,210.12	30,627,841.88	31,970,390.08	* 33,009,939.17
19,109,036.25 503,351.82 300,186.15 969,750.51 95,485.55 300,104.85 368,208.73 360,709.76 266,760.84 818,721.33 960,558.88 436,692.96 112,059.90 2,532,940.93 2,244,367.86	19,330,861.58 484,764.57 288,583.29 895,350.99 82,321.32 283,115.98 361,499.20 353,082.15 259,936.42 817,660.03 908,517.79 349,101.36 105,452.68 2,426,286.35 2,319,319.09	19,591,887.79 468,944.09 296,550.52 844,813.95 75,172.18 291,402.79 352,499.09 338,784.80 228,741.36 827,860.20 908,039.75 362,322.12 98,081.61 2,204,994.25 2,358,169.12	20,053,676.40 478,813.83 297,127.27 840,633.88 70,749.63 313,234.11 340,761.52 340,120.36 252,648.33 835,375.90 943,880.18 360,676.96 95,150.54 2,040,130.35 2,423,088.34
29,378,936.42	29,265,852.80	29,248,263.62	29,686,067.60
1,837,273.70 1,920,896.22	1,361,989.08 1,989,000.41	2,722,126.46 2,036,637.33	3,323,871.57 2,076,322.24
83,622.52 (loss)	627,011.33 (loss)	685,489.13	1,247,549.33

*Profits from the sale of merchandise. Rural service now given in "Rural Power Districts."
Consult Section IX.

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA
SYSTEM

Municipality.....	Acton	Agincourt	Ailsa Craig 468	Alvinston	Amherst- burg 3,044
Population.....	1,808	P.V.		620	
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	1,545.45			133.56	
Substation equipment.....	1,847.39				932.00
Distribution system—overhead.....	24,088.47	8,559.03	7,571.03	14,008.12	34,297.91
Distribution system—underground					
Line transformers.....	11,074.91	3,686.18	1,761.29	2,905.49	15,917.83
Meters.....	10,675.41	2,576.73	2,443.67	2,972.37	15,874.08
Street light equipment, regular.....	1,850.15	802.74	404.09	1,090.62	812.44
Street light equipment, ornamental					5,598.72
Miscellaneous construction expense	2,554.17	81.55	492.36	791.52	1,912.97
Steam or hydraulic plant.....				773.85	
Old plant.....					
Total plant.....	53,635.95	15,706.23	12,672.44	22,675.53	75,345.95
Bank and cash balance.....	2,279.95	2,188.57	6,628.43	2,845.17	5,760.94
Securities and investments.....	3,000.00	3,000.00	3,000.00	2,000.00	
Accounts receivable.....	3,615.65	1,597.82	458.91	3,675.84	3,146.01
Inventories.....	907.58				
Sinking fund on local debentures...					
Equity in H-E.P.C. systems.....	44,796.68	6,805.43	11,148.92	10,843.14	34,523.13
Other assets.....	322.04			35.00	2,937.47
Total assets.....	108,557.85	29,298.05	33,908.70	42,074.68	121,713.50
Deficit.....					
Total.....	108,557.85	29,298.05	33,908.70	42,074.68	121,713.50
LIABILITIES					
Debenture balance.....		2,187.98		10,177.49	18,719.13
Accounts payable.....			154.74		
Bank overdraft.....					
Other liabilities.....	736.92		106.00	35.00	7,259.97
Total liabilities.....	736.92	2,187.98	260.74	10,212.49	25,979.10
RESERVES					
For equity in H-E.P.C. systems...	44,796.68	6,805.43	11,148.92	10,843.14	34,523.13
For depreciation.....	10,371.35	2,289.63	5,382.77	6,033.62	17,629.77
Other reserves.....				75.00	316.44
Total reserves.....	55,168.03	9,095.06	16,531.69	16,951.76	52,469.34
SURPLUS					
Debentures paid.....	14,500.00	5,884.67	6,883.38	13,351.75	13,334.47
Local sinking fund.....					
Operating surplus.....	38,152.90	12,130.34	10,232.89	1,558.68	29,930.59
Total surplus.....	52,652.90	18,015.01	17,116.27	14,910.43	43,265.06
Total liabilities, reserves and surplus	108,557.85	29,298.05	33,908.70	42,074.68	121,713.50
Percentage of net debt to total assets	1.1	9.7	1.1	32.7	24.9

NOTE.—In computing the "percentage of net debt to total assets," the ornamental street lighting capital, sinking fund on local debentures, and equity in H-E.P.C. systems,

“A”

Hydro Municipalities as at December 31, 1935

Ancaster Twp.	Arkona 391	Aylmer 1,985	Ayr 769	Baden P.V.	Beachville P.V.	Belle River 742	Blenheim 1,664
\$ c.	\$ c.	\$ c. 9,019.23	\$ c. 125.00	\$ c. 660.64	\$ c. 176.13	\$ c.	\$ c.
16,114.42	9,572.99	20,787.46	12,487.37	7,486.26	14,029.99	16,532.02	26,938.87
10,742.40	1,706.44	10,691.41	3,850.56	4,136.42	3,550.21	3,977.45	8,561.46
4,318.13	1,584.70	10,225.00	3,664.41	3,086.75	3,187.77	3,674.08	9,279.00
1,368.59	720.25	1,792.47	628.42	447.45	444.23	924.29	3,368.26
428.76	218.73	1,122.18	941.79		602.04	1,025.78	1,482.97
	1,030.30	6,719.17	4,002.53				916.48
32,972.30	14,833.41	60,356.92	25,700.08	15,817.52	21,990.37	26,133.62	51,456.68
		5,287.72		6,414.14	1,427.65	3,482.53	7,614.56
		12,000.00			4,000.00	3,000.00	
1,656.75	409.18	2,359.26	1,183.18	209.37	820.72	1,281.89	1,220.65
							488.83
10,610.66	3,891.23	28,061.65	10,014.33	22,691.61	28,519.48	6,567.58	25,665.12
		111.00	517.29				
45,239.71	19,133.82	108,176.55	37,414.88	45,132.64	56,758.22	40,465.62	86,445.84
	1,641.67						
45,239.71	20,775.49	108,176.55	37,414.88	45,132.64	56,758.22	40,465.62	86,445.84
7,285.84	8,515.03	17,430.97	6,195.95	1,650.91	1,805.87	4,601.89	7,486.00
1,305.22	1,639.87	2,168.90			96.15	166.26	806.90
473.32	176.78		140.80				
155.32	14.17	111.00				142.00	1,731.47
9,219.70	10,345.85	19,710.87	6,336.75	1,650.91	1,902.02	4,910.15	10,024.37
10,610.66	3,891.23	28,061.65	10,014.33	22,691.61	28,519.48	6,567.58	25,665.12
7,403.58	1,940.61	12,284.88	4,766.83	2,214.12	5,994.88	6,051.02	12,690.99
		395.89				5,000.00	39.22
18,014.24	5,831.84	40,742.42	14,781.16	24,905.73	34,514.36	17,618.60	38,395.33
3,503.74	4,597.80	21,270.95	11,307.43	3,349.09	3,547.13	3,898.11	6,514.00
14,502.03		26,452.31	4,989.54	15,226.91	16,794.71	14,038.76	31,512.14
18,005.77	4,597.80	47,723.26	16,296.97	18,576.00	20,341.84	17,936.87	38,026.14
45,239.71	20,775.49	108,176.55	37,414.88	45,132.64	56,758.22	40,465.62	86,445.84
26.6	67.9	24.5	23.1	7.4	6.7	14.5	14.4

are excluded from assets; and the total liabilities are reduced by the amount of the local sinking fund reserve, and the liability in respect to the ornamental street lighting capital, which amount is included in other liabilities.

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality.....	Blyth	Bolton	Bothwell	Brampton	Brantford
Population.....	615	560	698	5,487	30,691
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....				5,355.12	101,567.68
Substation equipment.....				24,742.53	165,694.39
Distribution system—overhead.....	11,466.08	9,970.72	6,108.15	50,420.59	232,973.17
Distribution system—underground					
Line transformers.....	2,449.70	4,296.34	2,753.37	30,653.19	116,716.91
Meters.....	2,016.38	3,080.82	2,867.97	27,494.56	119,818.07
Street light equipment, regular	1,284.19	856.19	209.51	2,645.94	24,036.06
Street light equipment, ornamental			4,431.19		38,922.18
Miscellaneous construction expense	276.29	1,050.06	507.28	18,194.72	32,429.16
Steam or hydraulic plant.....					
Old plant.....	2,332.68	1,554.60			7,257.00
Plant not distributed.....					200,000.00
Total plant.....	19,825.32	20,808.73	16,877.47	159,506.65	1,039,414.62
Bank and cash balance.....	2,234.47	1,392.65	3,273.90	7,867.70	9,534.94
Securities and investments.....		1,500.00	11,000.00	4,722.07	
Accounts receivable.....	1,193.26	726.44	513.37	4,135.96	37,312.81
Inventories.....			30.78	211.53	14,753.49
Sinking fund on local debentures.....					
Equity in H-E.P.C. systems.....	6,298.26	12,541.24	12,873.35	113,992.52	591,756.29
Other assets.....					21,502.38
Total assets.....	29,551.31	36,969.06	44,568.87	290,436.43	1,714,274.53
Deficit.....					
Total.....	29,551.31	36,969.06	44,568.87	290,436.43	1,714,274.53
LIABILITIES					
Debenture balance.....	6,869.66	4,856.64	2,673.51	8,899.01	131,500.00
Accounts payable.....		38.51	295.36	930.24	4,299.38
Bank overdraft.....					
Other liabilities.....	140.00		1,171.22		*127,030.40
Total liabilities.....	7,009.66	4,895.15	4,140.09	9,829.25	262,829.78
RESERVES					
For equity in H-E.P.C. systems.....	6,298.26	12,541.24	12,873.35	113,992.52	591,756.29
For depreciation.....	3,437.17	6,061.64	6,873.07	50,177.43	228,500.10
Other reserves.....			25.02	168.35	134,826.95
Total reserves.....	9,735.43	18,602.88	19,771.44	164,338.30	955,083.34
SURPLUS					
Debentures paid.....	9,399.37	7,643.36	2,860.68	60,151.63	398,500.00
Local sinking fund.....					
Operating surplus.....	3,406.85	5,827.67	17,796.66	56,117.25	97,861.41
Total surplus.....	12,806.22	13,471.03	20,657.34	116,268.88	496,361.41
Total liabilities, reserves and surplus	29,551.31	36,969.06	44,568.87	290,436.43	1,714,274.53
Percentage of net debt to total assets	30.1	20.0	11.0	5.7	20.7

*Includes a balance of \$73,562.60 on purchase agreement.

"A"—Continued

Hydro Municipalities as at December 31, 1935

Brantford Twp.	Bridgeport P.V.	Brigden P.V.	Brussels 786	Burford P.V.	Burgess- ville P.V.	Caledonia 1,300	Campbell- ville P.V.
\$ c.	\$ c.	\$ c. 101.03	\$ c.	\$ c. 202.00	\$ c.	\$ c.	\$ c.
1,192.71							
53,449.60	9,720.65	7,181.72	13,614.29	9,277.77	3,501.22	17,852.19	2,973.19
17,044.17	3,979.30	2,060.02	2,402.70	2,983.01	1,203.50	6,432.74	718.23
12,285.66	2,217.15	2,238.85	3,867.94	3,493.95	966.40	6,371.25	567.30
4,530.04	1,602.69	464.90	1,587.79	425.14	261.02	1,582.94	283.06
2,901.28	605.86	888.11	1,572.29	703.48	457.22	752.91	45.82
		1,381.00	2,827.50				
91,403.46	18,125.65	14,315.63	25,872.51	17,085.35	6,389.36	32,992.03	4,587.60
2,991.61	117.17	1,173.83	6,407.70	2,127.72	80.19	1,757.93	657.17
				4,000.00		2,000.00	1,000.00
774.45	426.64	434.82	1,217.74	259.57	141.39	563.94	341.33
3,983.73							
20,586.32	3,604.75	8,440.98	8,659.54	9,293.09	3,776.88	15,119.03	1,547.26
1,659.24	102.15	10.00		42.08			
121,398.81	22,376.36	24,375.26	42,157.49	32,807.81	10,387.82	52,432.93	8,133.36
121,398.81	22,376.36	24,375.26	42,157.49	32,807.81	10,387.82	52,432.93	8,133.36
16,469.42	10,668.15	317.11	11,131.40			1,255.32	3,031.82
331.72	224.03		1,757.28	33.82	505.23	8.27	
1,659.24	102.15	10.00		42.08			
18,460.38	10,994.33	327.11	12,888.68	75.90	505.28	1,263.59	3,031.82
20,586.32	3,604.75	8,440.98	8,659.54	9,293.09	3,776.88	15,119.03	1,547.26
21,725.07	5,502.00	3,790.14	5,211.41	4,876.53	2,471.09	2,845.95	917.54
69.67		78.89			85.41		
42,381.06	9,106.75	12,310.01	13,870.95	14,169.62	6,333.38	17,964.98	2,464.80
40,656.24	1,699.88	7,682.89	9,868.60	9,000.00	3,500.00	3,368.68	2,415.95
3,983.73							
15,917.40	575.40	4,055.25	5,529.26	9,562.29	49.16	29,835.68	220.79
60,557.37	2,275.28	11,738.14	15,397.86	18,562.29	3,549.16	33,204.36	2,636.74
121,398.81	22,376.36	24,375.26	42,157.49	32,807.81	10,387.82	52,432.93	8,133.36
14.9	58.5	2.0	38.5	0.3	7.6	3.4	46.0

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality.....	Cayuga	Chatham	Chippawa	Clifford	Clinton
Population.....	668	16,284	1,143	423	1,863
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....		46,616.76	631.50		8,760.82
Substation equipment.....		113,072.81			7,544.43
Distribution system—overhead.....	14,666.02	163,187.56	19,123.86	7,698.14	23,314.71
Distribution system—underground.....		82,706.67			
Line transformers.....	3,162.29	87,386.96	6,107.56	1,069.66	8,743.73
Meters.....	2,851.50	69,203.87	4,798.92	2,277.39	9,795.83
Street light equipment, regular.....	942.83	18,843.16	1,898.61	687.42	1,313.03
Street light equipment, ornamental.....		35,426.10			
Miscellaneous construction expense.....	479.47	32,325.05	1,073.52	37.44	3,695.49
Steam or hydraulic plant.....					
Old plant.....		42,752.31			10,658.09
Total plant.....	22,102.11	691,521.25	33,633.97	11,770.05	73,826.13
Bank and cash balance.....	933.85	29,070.84	1,987.94	806.84	2,618.52
Securities and investments.....	1,500.00				3,000.00
Accounts receivable.....	484.11	28,274.33	284.49	586.26	1,724.88
Inventories.....	210.29	4,566.73			2,451.43
Sinking fund on local debentures.....					37,806.02
Equity in H-E.P.C. systems.....	6,037.63	268,596.84	11,744.11	4,355.36	32,049.85
Other assets.....		4,837.09	230.00		
Total assets.....	31,267.99	1,026,867.08	47,880.51	17,518.51	153,476.83
Deficit.....					
Total.....	31,267.99	1,026,867.08	47,880.51	17,518.51	153,476.83
LIABILITIES					
Debenture balance.....	11,635.11	213,885.02	4,778.26	6,389.35	44,500.00
Accounts payable.....		23,276.07	239.48	270.91	
Bank overdraft.....					
Other liabilities.....	55.00	40,248.26	219.00		283.81
Total liabilities.....	11,690.11	277,409.35	5,236.74	6,660.26	44,783.81
RESERVES					
For equity in H-E.P.C. systems.....	6,037.63	268,596.84	11,744.11	4,355.36	32,049.85
For depreciation.....	3,929.46	138,131.44	7,638.94	1,974.13	23,381.27
Other reserves.....		4,596.94			611.25
Total reserves.....	9,967.09	411,325.22	19,383.05	6,329.49	56,042.37
SURPLUS					
Debentures paid.....	8,364.89	156,114.98	8,571.74	1,610.65	
Local sinking fund.....					37,806.02
Operating surplus.....	1,245.90	182,017.53	14,688.98	2,918.11	14,844.63
Total surplus.....	9,610.79	338,132.51	23,260.72	4,528.76	52,650.65
Total liabilities, reserves and surplus.....	31,267.99	1,026,867.08	47,880.51	17,518.51	153,476.83
Percentage of net debt to total assets.....	46.0	33.5	14.4	50.6	11.5

“A”—Continued

Hydro Municipalities as at December 31, 1935

Comber	Cottam	Courtright	Dashwood	Delaware	Dorchester	Drayton	Dresden
P.V.	P.V.	332	P.V.	P.V.	P.V.	569	1,479
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
							523.00
7,399.92	9,519.71	6,539.99	3,412.91	3,898.39	8,655.91	9,331.97	18,659.05
3,422.04	1,661.26	1,225.40	1,600.44	1,001.44	3,126.91	3,328.48	7,524.07
2,449.92	1,778.79	880.37	1,378.45	1,006.77	2,441.33	3,320.22	6,065.27
384.93	366.43	425.08	353.42	148.08	641.67	673.50	1,127.48
1,061.77	229.14	558.67	291.87	203.81	328.41	401.02	1,605.36
							4,815.01
14,718.58	13,555.33	9,629.51	7,037.09	6,258.49	15,194.23	17,055.19	40,319.24
3,821.38	1,150.90	1,009.41	1,209.64	1,048.01	1,375.86	2,263.05	808.61
	3,000.00		1,500.00	3,000.00	2,000.00	3,000.00	2,000.00
935.10	201.39	371.90	865.74	306.10	343.17	885.82	2,815.79
							393.93
13,448.48	2,584.31	3,817.45	5,794.50	2,013.55	4,992.59	8,348.85	21,667.93
					26.00		138.00
32,923.54	20,491.93	14,828.27	16,406.97	12,626.15	23,931.85	31,552.91	68,143.50
32,923.54	20,491.93	14,828.27	16,406.97	12,626.15	23,931.85	31,552.91	68,143.50
973.20	6,094.71	2,212.58	1,889.32	1,849.18	2,160.31	5,786.24	
	12.39		81.24	342.88	36.56	5.80	184.71
17.00	115.00				26.00		138.00
990.20	6,222.10	2,212.58	1,970.56	2,192.06	2,222.87	5,792.04	322.71
13,448.48	2,584.31	3,817.45	5,794.50	2,013.55	4,992.59	8,348.85	21,667.93
5,193.34	3,154.63	1,562.15	2,349.52	1,178.58	2,152.97	6,012.31	5,056.14
				30.00	64.15		267.44
18,641.82	5,738.94	5,379.60	8,144.02	3,222.13	7,209.71	14,361.16	26,991.51
6,726.80	2,905.51	5,925.77	1,510.68	2,150.82	2,139.69	3,713.76	16,238.25
6,564.72	5,625.38	1,310.32	4,781.71	5,061.14	12,359.58	7,685.95	24,591.03
13,291.52	8,530.89	7,236.09	6,292.39	7,211.96	14,499.27	11,399.71	40,829.28
32,923.54	20,491.93	14,828.27	16,406.97	12,626.15	23,931.85	31,552.91	68,143.50
5.0	34.7	20.1	18.6	20.6	11.7	25.0	0.7

STATEMENT

Balance Sheets of Electrical Departments of

**NIAGARA
SYSTEM—Continued**

Municipality.....	Drumbo	Dublin	Dundas	Dunnville	Dutton
Population.....	P.V.	P.V.	4,983	3,746	780
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....			12,111.11	3,356.09	
Substation equipment.....			13,396.22	27,507.57	
Distribution system—overhead.....	4,603.91	5,787.61	50,286.99	37,775.37	9,094.18
Distribution system—underground					
Line transformers.....	1,651.50	897.65	19,634.79	18,380.09	3,425.25
Meters.....	1,863.92	874.11	20,066.33	16,701.76	3,376.79
Street light equipment, regular.....	262.27	544.86	10,834.15	8,012.37	659.31
Street light equipment, ornamental			1,154.52		
Miscellaneous construction expense	235.58	787.06	7,061.70	5,740.41	317.62
Steam or hydraulic plant.....					
Old plant.....			1,867.38	10,717.62	
Total plant.....	8,617.18	8,891.29	136,413.19	128,191.28	16,873.15
Bank and cash balance.....	4,139.37	768.33	12,243.81	8,136.66	1,653.27
Securities and investments.....			1,500.00	10,000.00	2,500.00
Accounts receivable.....	335.21	139.40	4,827.05	6,423.49	500.25
Inventories.....			373.13	1,330.80	4.86
Sinking fund on local debentures.....					
Equity in H-E.P.C. systems.....	4,433.95	4,028.53	97,408.16	40,252.46	13,513.02
Other assets.....			4,424.02		90.13
Total assets.....	17,525.71	13,827.55	257,189.36	194,334.69	35,134.68
Deficit.....		765.62			
Total.....	17,525.71	14,593.17	257,189.36	194,334.69	35,134.68
LIABILITIES					
Debenture balance.....	2,080.67	396.66	21,356.60	44,512.13	
Accounts payable.....	125.85	786.78	231.98	4,065.19	438.67
Bank overdraft.....					
Other liabilities.....			5,283.88	1,502.24	67.21
Total liabilities.....	2,206.52	1,183.44	26,872.46	50,079.56	505.88
RESERVES					
For equity in H-E.P.C. systems....	4,433.95	4,028.53	97,408.16	40,252.46	13,513.02
For depreciation.....	3,492.76	3,577.86	48,719.45	30,153.73	6,785.56
Other reserves.....			159.73		29.38
Total reserves.....	7,926.71	7,606.39	146,287.34	70,406.19	20,327.96
SURPLUS					
Debentures paid.....	2,419.33	5,803.34	31,643.40	30,987.87	8,407.49
Local sinking fund.....					
Operating surplus.....	4,973.15		52,386.16	42,861.07	5,893.35
Total surplus.....	7,392.48	5,803.34	84,029.56	73,848.94	14,300.84
Total liabilities, reserves and surplus	17,525.71	14,593.17	257,189.36	194,334.69	35,134.68
Percentage of net debt to total assets	16.8	12.1	16.2	32.5	2.3

“A”—Continued

Hydro Municipalities as at December 31, 1935

East Windsor 14,606	East York Twp.	Elmira 2,650	Elora 1,133	Embro 408	Erieau 281	Erie Beach 23	Essex 1,689
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	17,018.18	7,419.77	1,524.54	.....	.....	.....	.....
.....	8,893.55	.....	.....	.....	.....	.....	.....
175,946.95	287,900.81	34,909.34	17,215.85	9,737.08	9,459.93	2,005.75	36,062.30
.....	.....	.....	.....	.....	.....	.....	442.55
77,205.79	79,862.50	15,439.13	7,316.65	3,039.64	1,574.00	613.17	15,011.34
60,473.47	142,586.73	12,558.81	5,909.72	2,075.18	2,499.65	682.67	10,957.37
.....	20,705.20	1,377.20	1,245.99	535.73	246.10	.....	1,548.10
89,295.42	.....	.....	.....	.....	.....	.....	7,205.06
4,001.13	13,240.35	3,282.26	1,190.41	69.45	379.90	375.03	2,123.90
.....
.....	.....	2,168.08	1,425.47	429.25	.....	.....	.....
406,922.76	570,207.32	77,154.59	35,828.63	15,886.33	14,159.58	3,676.62	73,350.62
.....
86,241.82	9,707.52	.....	313.85	2,594.24	989.41	831.62	9,836.42
.....	2,812.91	.....	7,000.00	1,000.00	.....	.....	5,000.00
49,461.61	11,836.90	2,342.25	1,469.98	655.57	672.19	211.22	2,186.40
.....	5,776.74	.....	560.59	.....	.....	.....	.....
154,123.72	158,926.51	55,401.65	26,637.68	7,855.35	3,910.34	962.65	19,692.25
.....	.....	794.39	34.92	5.00	.....	30.91	551.48
696,749.91	759,267.90	135,692.88	71,845.65	27,996.49	19,731.52	5,713.02	110,617.17
.....
696,749.91	759,267.90	135,692.88	71,845.65	27,996.49	19,731.52	5,713.02	110,617.17
84,161.16	230,007.25	21,172.95	2,170.15	2,265.86	3,830.58	2,269.30	17,970.05
52,772.82	38,418.41	2,407.13	187.51	542.15	53.48	.....	1,234.32
.....	.....	651.96	.....	.....	.....	.....	.....
89,295.42	16,003.34	794.39	681.25	5.00	30.00	.....	7,756.54
226,229.40	284,429.00	25,026.43	3,038.91	2,813.01	3,914.06	2,269.30	26,960.91
.....
154,123.72	158,926.51	55,401.65	26,637.68	7,855.35	3,910.34	962.65	19,692.25
59,282.89	69,041.23	18,647.65	12,651.07	5,417.31	2,400.90	406.31	14,319.31
13,451.74	5,127.44	.....	.....	50.00	30.00	.....	372.59
226,858.35	233,095.18	74,049.30	39,288.75	13,322.66	6,341.24	1,368.96	34,384.15
.....
64,838.84	127,060.53	15,995.55	10,829.85	5,234.14	3,052.55	1,030.70	4,529.95
178,823.32	114,683.19	20,621.60	18,688.14	6,626.68	6,423.67	1,044.06	44,742.16
243,662.16	241,743.72	36,617.15	29,517.99	11,860.82	9,476.22	2,074.76	49,272.11
696,749.91	759,267.90	135,692.88	71,845.65	27,996.49	19,731.52	5,713.02	110,617.17
28.0	47.4	31.2	6.7	14.0	24.7	47.8	23.6

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality.....	Etobicoke Twp.	Exeter	Fergus	Fonthill	Forest
Population.....		1,597	2,520	808	1,496
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	26,674.19	3,281.59			6,447.40
Substation equipment.....					
Distribution system—overhead.....	276,626.26	28,704.89	34,061.77	11,172.41	20,151.56
Distribution system—underground					
Line transformers.....	72,458.08	10,670.88	19,160.25	4,877.07	9,673.21
Meters.....	55,678.85	8,105.35	12,517.14	4,331.41	9,589.06
Street light equipment, regular.....	12,165.26	1,026.85	2,309.20	1,056.80	2,369.94
Street light equipment, ornamental	2,689.44	4,038.63			
Miscellaneous construction expense	4,346.09	1,934.86	1,428.23	3,806.65	987.58
Steam or hydraulic plant.....					
Old plant.....			2,546.59		11,042.87
Total plant.....	450,638.17	57,763.05	72,023.18	25,244.34	60,261.62
Bank and cash balance.....	2,643.51	4,421.21		1,689.80	6,597.03
Securities and investments.....		8,000.00			7,500.00
Accounts receivable.....	11,356.09	2,960.96	4,578.55	277.27	4,427.16
Inventories.....	5,611.46	1,167.55	110.54		1,931.70
Sinking fund on local debentures					
Equity in H-E.P.C. systems.....	122,580.85	28,378.77	37,243.91	3,785.03	21,046.64
Other assets.....			206.04	295.77	
Total assets.....	592,830.08	102,691.54	114,162.22	31,292.21	101,764.15
Deficit.....					
Total.....	592,830.08	102,691.54	114,162.22	31,292.21	101,764.15
LIABILITIES					
Debenture balance.....	160,437.12	6,143.75	16,205.98	14,691.62	8,380.12
Accounts payable.....	30,158.12	233.48	2,776.58	1,380.85	149.60
Bank overdraft.....			130.80		
Other liabilities.....	8,374.42	226.25	25.00	275.62	39.06
Total liabilities.....	198,969.66	6,603.48	19,138.36	16,348.09	8,568.78
RESERVES					
For equity in H-E.P.C. systems.....	122,580.85	28,378.77	37,243.91	3,785.03	21,046.64
For depreciation.....	78,413.39	11,578.14	9,593.97	2,399.46	13,708.41
Other reserves.....	696.55	69.94	350.00		50.00
Total reserves.....	201,690.79	40,026.85	47,187.88	6,184.49	34,805.05
SURPLUS					
Debentures paid.....	105,258.28	13,856.30	25,794.02	7,808.38	26,019.88
Local sinking fund.....					
Operating surplus.....	86,911.35	42,204.91	22,041.96	951.25	32,370.44
Total surplus.....	192,169.63	56,061.21	47,835.98	8,759.63	58,390.32
Total liabilities, reserves and surplus	592,830.08	102,691.54	114,162.22	31,292.21	101,764.15
Percentage of net debt to total assets	42.0	8.9	24.9	60.0	10.6

“A”—Continued

Hydro Municipalities as at December 31, 1935

Galt 13,715	George- town 2,203	Glencoe 833	Goderich 4,383	Granton P.V.	Geulph 20,882	Hagers- ville 1,399	Hamilton 154,276
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
201,705.30		3,102.65	13,569.89		13,380.18		929,173.15
113,516.86			34,402.48		157,622.04	864.37	1,760,666.67
239,888.09	32,206.07	20,893.68	67,313.23	4,339.20	187,174.43	20,509.07	1,194,372.17
							840,949.39
115,843.30	18,366.51	6,325.45	18,339.18	1,533.55	89,451.88	10,075.72	881,821.58
69,104.84	14,032.49	4,202.13	19,377.93	1,500.40	93,795.83	8,660.25	646,549.35
72,802.91	1,864.67	1,726.23	4,853.77	163.37	42,554.24	1,040.67	278,930.72
24,083.95	2,295.28	3,356.43	5,553.66	113.08	15,328.20	924.36	204,326.82
	2,209.80		14,622.15				30,172.43
836,945.25	70,474.82	39,606.57	178,032.29	7,649.60	599,306.80	42,074.44	6,766,962.28
12,228.83	3,154.49	2,391.22	10,341.55	2,897.55	24,445.02	6,934.29	215,906.15
	7,485.90		5,000.00	2,000.00		12,000.00	
63,793.93	4,970.91	2,120.09	4,597.31	238.39	32,612.67	408.49	361,614.05
12,170.41	123.43	63.36	962.62		21,731.07		138,612.22
89,280.41					4,051.93		376,913.53
374,184.32	68,202.07	13,398.45	84,930.94	5,723.35	449,329.17	55,382.54	2,860,870.37
2,520.85	545.85	31.89	2,011.50		2,532.56		4,743.15
1,391,124.00	154,957.47	57,611.58	285,876.21	18,508.89	1,134,009.22	116,799.76	10,725,621.75
1,391,124.00	154,957.47	57,611.58	285,876.21	18,508.89	1,134,009.22	116,799.76	10,725,621.75
242,734.19	9,022.67	6,432.01	45,244.46	1,871.69	5,000.00	2,522.64	2,633,001.78
21,960.09	555.39		1,320.07	121.34	24,602.92	58.67	256,604.41
618.40	503.48	31.89	2,011.50		2,532.56		*1,416,100.22
265,312.68	10,081.54	6,463.90	48,576.03	1,993.03	32,135.48	2,581.31	4,305,706.41
374,184.32	68,202.07	13,398.45	84,930.94	5,723.35	449,329.17	55,382.54	2,860,870.37
246,343.88	21,859.19	8,596.56	65,670.75	2,563.61	132,397.41	9,504.28	1,040,389.14
31,986.45		225.00	947.60		1,837.88		254,260.54
652,514.65	90,061.26	22,220.01	151,549.29	8,286.96	583,564.46	64,886.82	4,155,520.05
275,267.76	10,977.33	13,680.87	50,843.59	1,628.31	139,999.99	5,477.36	1,586,023.34
89,280.41					4,051.93		376,913.53
108,748.50	43,837.34	15,246.80	34,907.30	6,600.59	374,257.36	43,854.27	301,458.42
473,296.67	54,814.67	28,927.67	85,750.89	8,228.90	518,309.28	49,331.63	2,264,395.29
1,391,124.00	154,957.47	57,611.58	285,876.21	18,508.89	1,134,009.22	116,799.76	10,725,621.75
18.9	11.6	14.6	24.2	15.6	4.1	4.2	52.4

*Includes a balance of \$1,362,500.00 on purchase agreement.

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality.....	Harriston	Harrow	Hensall	Hespeler	Highgate
Population.....	1,329	934	697	2,853	334
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	395.25			4,474.73	
Substation equipment.....	600.00			27,959.26	
Distribution system—overhead.....	22,267.49	16,997.84	12,370.10	30,652.60	6,383.76
Distribution system—underground					
Line transformers.....	7,438.60	8,992.12	4,428.42	21,173.50	2,109.25
Meters.....	7,350.07	5,757.53	3,448.63	12,560.28	1,750.29
Street light equipment, regular.....	1,268.98	851.36	612.83	7,155.90	453.91
Street light equipment, ornamental					
Miscellaneous construction expense	886.66	261.17	547.38	1,479.11	502.62
Steam or hydraulic plant.....					
Old plant.....	1,001.43		400.00		
Total plant.....	41,208.48	32,860.02	21,807.36	105,455.38	11,199.83
Bank and cash balance.....	2,619.96	5,279.90		13,273.78	1,396.89
Securities and investments.....			7,000.00		2,000.00
Accounts receivable.....	1,482.30	1,518.74	1,093.42	3,045.22	198.72
Inventories.....	67.97	165.82		380.96	
Sinking fund on local debentures.....					
Equity in H-E.P.C. systems.....	23,069.80	14,716.78	10,772.37	72,490.92	6,970.09
Other assets.....				5.00	
Total assets.....	68,448.51	54,541.26	40,673.15	194,651.26	21,765.53
Deficit.....					
Total.....	68,448.51	54,541.26	40,673.15	194,651.26	21,765.53
LIABILITIES					
Debenture balance.....	8,676.46	7,116.18	6,171.92	31,031.53	
Accounts payable.....	244.33	62.20	9.37	183.34	10.10
Bank overdraft.....			432.70		
Other liabilities.....		409.60	112.50	5.00	20.00
Total liabilities.....	8,920.79	7,587.98	6,726.49	31,219.87	30.10
RESERVES					
For equity in H-E.P.C. systems.....	23,069.80	14,716.78	10,772.37	72,490.92	6,970.09
For depreciation.....	7,367.67	3,443.71	7,149.73	15,401.34	4,041.64
Other reserves.....		47.00		100.65	
Total reserves.....	30,437.47	18,207.49	17,922.10	87,992.91	11,011.73
SURPLUS					
Debentures paid.....	17,141.57	4,883.82	5,828.08	46,538.98	5,000.00
Local sinking fund.....					
Operating surplus.....	11,948.68	23,861.97	10,196.48	28,899.50	5,723.70
Total surplus.....	29,090.25	28,745.79	16,024.56	75,438.48	10,723.70
Total liabilities, reserves and surplus	68,448.51	54,541.26	40,673.15	194,651.26	21,765.53
Percentage of net debt to total assets	19.7	19.0	22.5	25.5	0.2

"A"—Continued

Hydro Municipalities as at December 31, 1935

Humber- stone 2,487	Ingersoll 4,919	Jarvis 535	Kingsville 2,354	Kitchener 31,328	Lambeth P.V.	La Salle 671	Leaming- ton 5,004
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	15,064.45	.....	7,774.09	180,500.60	.....	.....	16,964.47
.....	33,283.83	.....	.....	218,733.96	.....	.....	7,085.62
26,149.88	55,398.44	9,534.60	32,011.28	329,499.87	6,954.60	19,410.66	52,369.45
.....	.....	.....	.....	42,970.29	.....	.....	11,986.90
9,181.25	28,267.19	3,151.56	13,641.91	180,648.34	1,883.12	6,716.60	24,430.15
7,920.35	25,043.53	2,509.84	13,622.72	186,290.18	2,348.71	4,174.22	23,440.44
884.80	3,980.93	876.29	1,439.82	65,909.38	269.16	946.49	1,380.13
.....	4,597.59	.....	19,200.00	95,816.86	.....	.....	15,178.49
3,234.97	10,433.18	672.71	1,140.14	20,904.79	300.71	1,510.69	2,343.35
.....
.....	19,098.54	.....	.....	52,363.91	.....	.....	.....
47,371.25	195,167.68	16,745.00	88,829.96	1,373,638.18	11,756.30	32,758.66	155,179.00
4,032.69	1,455.05	5,197.17	6,079.16	.....	1,132.22	7,575.36	21,517.67
.....	11,716.57	.....	8,000.00	15,000.00	1,000.00	.....	8,813.81
729.64	2,511.72	205.76	711.35	59,021.57	175.99	1,492.91	980.91
.....	1,147.99	.....	.....	10,569.13	.....	.....	.....
.....	76,350.04	.....	.....	.....	.....	.....	.....
12,691.16	126,704.09	9,777.44	26,356.90	861,513.41	6,544.77	8,857.60	50,497.04
1,361.13	1,218.13	.....	1,905.00	837.60	60.00	455.06	.....
66,185.87	416,271.27	31,925.37	131,882.37	2,320,579.89	20,669.28	51,139.59	236,988.43
.....
66,185.87	416,271.27	31,925.37	131,882.37	2,320,579.89	20,669.28	51,139.59	236,988.43
.....
16,500.00	79,800.00	5,565.79	27,155.95	158,850.94	.....	9,946.13	28,464.12
.....	9,744.53	306.79	1,773.57	47,975.79	213.70	409.12	159.50
.....	.....	.....	.....	3,662.95	.....	.....	.....
1,085.70	5,815.72	40.00	21,105.00	96,654.46	60.00	455.06	17,844.55
17,585.70	95,360.25	5,912.58	50,034.52	307,144.14	273.70	10,810.31	46,468.17
.....
12,691.16	126,704.09	9,777.44	26,356.90	861,513.41	6,544.77	8,857.60	50,497.04
3,522.35	19,543.79	3,008.52	18,125.61	295,439.88	3,323.07	6,947.44	25,892.42
.....	776.60	.....	840.38	27,796.83	45.24	485.00	808.46
16,213.51	147,024.48	12,785.96	45,322.89	1,184,750.12	9,913.08	16,290.04	77,197.92
.....
15,500.00	.....	4,934.21	6,344.05	353,299.06	4,000.00	5,553.87	19,535.88
.....	76,350.04	.....	.....	.....	.....	.....	.....
16,886.66	97,536.50	8,292.62	30,180.91	475,386.57	6,482.50	18,485.37	93,786.46
32,386.66	173,886.54	13,226.83	36,524.96	828,685.63	10,482.50	24,039.24	113,322.34
66,185.87	416,271.27	31,925.37	131,882.37	2,320,579.89	20,669.28	51,139.59	236,988.43
33.0	6.9	26.7	35.7	15.5	1.9	25.6	18.3

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality.....	Listowel	London	London Twp.	Long Branch	Lucan
Population.....	2,755	73,880		3,776	604
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	1,459.49	448,478.24			
Substation equipment.....		943,612.08			
Distribution system—overhead.....	39,692.09	788,460.51	18,127.53	52,543.82	10,617.69
Distribution system—underground.....	2,897.25	296,695.11			
Line transformers.....	18,268.79	302,859.03	6,148.66	11,939.78	4,131.49
Meters.....	16,336.44	341,337.28	4,377.09	17,112.41	3,249.02
Street light equipment, regular.....	1,908.23	68,514.45	902.35	4,266.87	430.15
Street light equipment, ornamental.....	1,348.66	90,608.12			
Miscellaneous construction expense.....	2,222.63	87,216.29	510.90	1,220.51	599.02
Steam or hydraulic plant.....					
Old plant.....	4,745.30		1,733.80		2,860.45
Total plant.....	88,878.88	3,367,781.11	31,800.33	87,083.39	21,887.82
Bank and cash balance.....	5,460.00	52,661.24	19.05	1,322.44	3,938.51
Securities and investments.....	7,000.00		3,000.00		5,000.00
Accounts receivable.....	3,127.27	273,546.39	1,528.34	1,049.16	262.05
Inventories.....		109,331.97			
Sinking fund on local debentures.....		375,380.50			
Equity in H-E.P.C. systems.....	50,677.46	1,562,694.08	11,142.97	11,322.70	13,199.17
Other assets.....	182.17	1,013.68	244.14		
Total assets.....	155,325.78	5,742,408.97	47,734.83	100,777.69	44,287.55
Deficit.....					
Total.....	155,325.78	5,742,408.97	47,734.83	100,777.69	44,287.55
LIABILITIES					
Debenture balance.....	3,944.63	799,939.54	6,831.75	21,251.22	3,767.26
Accounts payable.....	3,458.62	122,523.68	153.33	4,813.42	68.02
Bank overdraft.....					
Other liabilities.....	1,530.83	92,286.65	244.14	2,822.44	219.72
Total liabilities.....	8,934.08	1,014,749.87	7,229.22	28,887.08	4,055.00
RESERVES					
For equity in H-E.P.C. systems.....	50,677.46	1,562,694.08	11,142.97	11,322.70	13,199.17
For depreciation.....	31,932.34	976,938.22	5,775.81	17,374.50	8,479.45
Other reserves.....		107,977.44	50.00	302.04	
Total reserves.....	82,609.80	2,647,609.74	16,968.78	28,999.24	21,678.62
SURPLUS					
Debentures paid.....	39,245.26	781,960.46	12,168.25	19,053.38	7,446.36
Local sinking fund.....		375,380.50			
Operating surplus.....	24,536.64	922,708.40	11,368.58	23,837.99	11,107.57
Total surplus.....	63,781.90	2,080,049.36	23,536.83	42,891.37	18,553.93
Total liabilities, reserves and surplus.....	155,325.78	5,742,408.97	47,734.83	100,777.69	44,287.55
Percentage of net debt to total assets.....	7.3	14.8	19.8	32.3	13.0

“A”—Continued

Hydro Municipalities as at December 31, 1935

Lynden	Markham	Merlin	Merritton	Milton	Milverton	Mimico	Mitchell
P.V.	1,092	P.V.	2,557	1,775	996	6,733	1,526
\$ 241.18	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
4,774.11	15,968.98	8,069.22	3,275.67 36,622.05 34,918.21	16,418.16 20,422.74	237.20 17,077.41 38,461.02 76,311.42	23,058.94 19,487.83 29,047.28	
2,166.63 1,643.16 354.06	8,109.35 5,963.97 750.76	3,399.23 2,104.48 555.64	8,469.65 10,390.73 4,676.11	13,944.73 13,550.83 1,282.36	7,565.80 5,212.55 737.16	32,749.35 28,698.27 7,801.61	8,818.29 11,932.41 3,723.88
193.57	1,776.27	455.36	2,577.96	3,948.63	654.29	4,685.47	574.08
		241.85		3,092.54			1,500.00
9,372.71	32,569.33	14,825.78	100,930.38	72,659.99	26,402.51	205,784.55	98,142.71
844.49	2,545.46	2,627.88	7,502.14	8,996.67	18.96	12,410.50	3,337.38
808.16	2,000.00	6,000.00		4,000.00	2,000.00		1,000.00
	2,332.79	507.93	3,616.66	4,845.88	873.41	6,326.64	8,365.92
				3,848.88			3,848.57
9,810.42	11,759.44	8,484.64	73,983.66	72,484.58	31,658.83	92,975.98	30,292.26
20,835.78	51,207.02	32,446.23	186,032.84	166,836.00	60,953.71	317,497.67	144,986.84
20,835.78	51,207.02	32,446.23	186,032.84	166,836.00	60,953.71	317,497.67	144,986.84
2,331.56 298.38	436.25	6,281.21 493.58	16,803.93 2,703.44	6,794.02	736.80 175.27	71,623.79 3,571.88	1,383.42
	181.45	40.00		196.35		5,501.89	137.00
2,629.94	617.70	6,814.79	19,507.37	6,990.37	912.07	80,697.56	1,520.42
9,810.42 3,015.13	11,759.44 5,945.97	8,484.64 2,892.25 23.40	73,983.66 9,500.81	72,484.58 17,283.56 1,380.85	31,658.83 5,794.08	92,975.98 47,868.19 2,964.22	30,292.26 38,381.99 837.25
12,825.55	17,705.41	11,400.29	83,484.47	91,148.99	37,452.91	143,808.39	69,511.50
2,163.44	10,937.38	7,083.00	15,382.28	26,252.39	9,500.00	55,376.21	22,295.22
3,216.85	21,946.53	7,148.15	67,658.72	42,444.25	13,088.73	37,615.51	51,659.70
5,380.29	32,883.91	14,231.15	83,041.00	68,696.64	22,588.73	92,991.72	73,954.92
20,835.78	51,207.02	32,446.23	186,032.84	166,836.00	60,953.71	317,497.67	144,986.84
23.9	1.6	28.4	17.4	7.4	3.1	35.9	1.3

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality.....	Moorefield	Mount	Newbury	New	New
Population.....	P.V.	Brydges	265	Hamburg	Toronto
		P.V.		1,449	7,861
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
ASSETS					
Lands and buildings.....				2,513.19	43,897.67
Substation equipment.....				1,167.55	
Distribution system—overhead.....	2,980.96	6,462.16	6,440.37	23,753.22	80,152.14
Distribution system—underground					8,605.69
Line transformers.....	1,012.17	1,967.97	1,797.86	6,532.17	31,214.87
Meters.....	1,221.66	2,269.66	1,295.15	9,014.07	31,029.56
Street light equipment, regular.....	295.88	698.09	817.42	2,115.04	10,326.14
Street light equipment, ornamental					
Miscellaneous construction expense	348.35	267.16	502.54	835.60	7,539.11
Steam or hydraulic plant.....					
Old plant.....			348.22	5,242.56	
Total plant.....	5,859.02	11,665.04	11,201.56	51,173.40	212,765.18
Bank and cash balance.....	2,373.47	2,993.12	890.82	5,425.13	14,471.47
Securities and investments.....		3,000.00			
Accounts receivable.....	192.48	879.09	982.58	450.28	14,392.09
Inventories.....				686.98	
Sinking fund on local debentures.....					
Equity in H-E.P.C. systems.....	4,322.29	4,971.44	3,085.46	34,414.41	287,587.89
Other assets.....		103.78			
Total assets.....	12,747.26	23,612.47	16,160.42	92,150.20	529,216.63
Deficit.....					
Total.....	12,747.26	23,612.47	16,160.42	92,150.20	529,216.63
LIABILITIES					
Debenture balance.....	707.23	2,018.67	3,400.00	5,069.56	3,363.54
Accounts payable.....	98.90	97.44	24.00		15,755.63
Bank overdraft.....					
Other liabilities.....		103.78	30.00	221.50	5,606.28
Total liabilities.....	806.13	2,219.89	3,454.00	5,291.06	24,725.45
RESERVES					
For equity in H-E.P.C. systems.....	4,322.29	4,971.44	3,085.46	34,414.41	287,587.89
For depreciation.....	2,419.26	2,747.30	2,815.68	12,344.79	45,523.22
Other reserves.....		100.00		91.74	1,934.29
Total reserves.....	6,741.55	7,818.74	5,901.14	46,850.94	335,045.40
SURPLUS					
Debentures paid.....	3,792.77	2,201.33	6,354.39	12,659.52	4,636.46
Local sinking fund.....					
Operating surplus.....	1,406.81	11,372.51	450.89	27,348.68	164,809.32
Total surplus.....	5,199.58	13,573.84	6,805.28	40,008.20	169,445.78
Total liabilities, reserves and surplus	12,747.26	23,612.47	16,160.42	92,150.20	529,216.63
Percentage of net debt to total assets	9.6	11.9	26.4	9.2	10.2

"A"—Continued

Hydro Municipalities as at December 31, 1935

Niagara Falls 18,060	Niagara- on-the-Lake 1,569	North York Twp. 1,569	Norwich 1,174	Oil Springs 463	Otterville P.V. 1,470	Palmerston 1,470	Paris 4,330
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
132,324.59	2,307.35	28,302.20	4,638.76	1,501.68			8,426.83
228,200.23	16,048.36					691.88	27,720.70
190,993.89	29,273.79	344,810.16	11,113.94	12,997.78	7,237.02	27,675.17	52,897.46
159,583.08	8,141.28	85,225.34	6,180.85	5,234.39	3,510.10	9,903.21	19,712.59
107,655.84	8,151.57	46,165.82	6,817.06	3,429.01	2,304.45	7,391.99	19,719.47
118,303.16	1,262.39	211.58	4,685.64	308.24	1,408.96	2,267.80	14,059.22
		13,491.21					
9,653.17	1,849.66	18,397.94	1,432.04	2,322.59	142.00	947.48	1,104.65
20,670.10			3,509.82			4,018.71	
967,383.56	67,034.40	536,604.25	38,378.11	25,793.69	14,602.53	52,896.24	143,640.92
24,163.82	640.90	1,372.53	2,618.03	3,247.36	2,989.89		4,126.75
			3,500.00	2,132.83			28,500.00
14,917.24	4,666.56	4,831.14	2,718.35	712.83	1,299.92	1,582.99	871.44
17,162.13	2,842.60		1,811.83	89.72		2,297.75	
391,915.26	20,377.55	72,706.92	25,524.35	17,440.98	5,687.26	29,233.25	77,622.54
27,186.01	89.46	6,733.98	202.50	13.58	13.75	323.72	
1,442,728.02	95,651.47	622,248.82	74,752.67	49,430.99	24,593.35	86,333.95	254,761.65
1,442,728.02	95,651.47	622,248.82	74,752.67	49,430.99	24,593.35	86,333.95	254,761.65
298,302.67	19,297.39	337,334.44	4,808.11	822.44		2,488.80	7,951.08
27,363.93	199.70	310,229.87	150.18	1,492.58	96.00	715.34	929.83
						246.08	
17,258.90	85.00	6,733.98	202.50	13.58	13.75	307.50	
342,925.50	19,582.09	354,298.29	5,160.79	2,328.60	109.75	3,757.72	8,880.91
391,915.26	20,377.55	72,706.92	25,524.35	17,440.98	5,687.26	29,233.25	77,622.54
171,318.66	11,508.94	71,108.88	6,034.09	7,176.74	4,342.53	6,369.49	67,573.97
12,209.16	650.00	13,491.21	870.64	175.00		458.05	175.00
575,443.08	32,536.49	157,307.01	32,429.08	24,792.72	10,029.79	36,060.79	145,371.51
391,940.33	17,204.03	105,687.43	8,947.89	15,898.87	4,500.00	24,511.20	84,048.92
132,419.11	26,328.86	4,956.09	28,214.91	6,410.80	9,953.81	22,004.24	16,460.31
524,359.44	43,532.89	110,643.52	37,162.80	22,309.67	14,453.81	46,515.44	100,509.23
1,442,728.02	95,651.47	622,248.82	74,752.67	49,430.99	24,593.35	86,333.95	254,761.65
32.6	26.0	66.1	10.0	7.3	0.5	6.6	5.0

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality.....	Parkhill	Petrolia	Plattsville	Point Edward	Port Colborne
Population.....	1,023	2,664	P.V.	1,222	5,680
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....		900.00			22,561.01
Substation equipment.....		2,403.55			
Distribution system—overhead.....	16,039.71	44,331.36	4,156.10	21,321.29	89,678.99
Distribution system—underground					
Line transformers.....	4,359.83	27,348.81	1,890.66	6,746.18	25,678.31
Meters.....	4,345.82	14,885.70	1,882.35	5,162.40	22,436.24
Street light equipment, regular.....	922.68	6,311.43	147.15	3,091.41	4,549.26
Street light equipment, ornamental					16,611.59
Miscellaneous construction expense	1,331.21	5,852.31	535.92	503.14	6,762.51
Steam or hydraulic plant.....					
Old plant.....		3,389.94			9,929.60
Total plant.....	26,999.25	105,423.10	8,612.18	36,824.42	198,207.51
Bank and cash balance.....	1,144.05	6,260.69	1,912.84		2,184.77
Securities and investments.....		8,400.00		13,000.00	1,500.00
Accounts receivable.....	1,203.03	6,940.59	597.02	6,303.43	17,027.40
Inventories.....		782.33			4,013.69
Sinking fund on local debentures.....					
Equity in H-E.P.C. systems.....	12,473.95	69,753.22	6,120.36	34,055.22	61,272.86
Other assets.....		757.50		229.65	
Total assets.....	41,820.28	198,317.43	17,242.40	90,412.72	284,206.23
Deficit.....					
Total.....	41,820.28	198,317.43	17,242.40	90,412.72	284,206.23
LIABILITIES					
Debenture balance.....	4,185.03	19,385.75	2,421.67	5,930.21	78,812.29
Accounts payable.....	5.77	7.91	123.29	827.48	7,323.39
Bank overdraft.....				3,187.04	
Other liabilities.....	115.00	757.50		229.65	20,359.64
Total liabilities.....	4,305.80	20,151.16	2,544.96	10,174.38	106,495.32
RESERVES					
For equity in H-E.P.C. systems.....	12,473.95	69,753.22	6,120.36	34,055.22	61,272.86
For depreciation.....	6,514.97	31,695.75	3,153.88	10,608.85	36,607.25
Other reserves.....		749.45		201.53	2,223.63
Total reserves.....	18,988.92	102,198.42	9,274.24	44,865.60	100,103.74
SURPLUS					
Debentures paid.....	10,444.99	30,614.25	2,815.33	11,069.79	67,187.71
Local sinking fund.....					
Operating surplus.....	8,080.57	45,353.60	2,607.87	24,302.95	10,419.46
Total surplus.....	18,525.56	75,967.85	5,423.20	35,372.74	77,607.17
Total liabilities, reserves and surplus	41,820.28	198,317.43	17,242.40	90,412.72	284,206.23
Percentage of net debt to total assets	14.7	15.7	22.9	18.0	43.5

“A”—Continued

Hydro Municipalities as at December 31, 1935

Port Credit 1,670	Port Dalhousie 1,410	Port Dover 1,692	Port Rowan 644	Port Stanley 759	Preston 6,274	Princeton P.V.	Queenston P.V.
\$ c. 675.00	\$ c.	\$ c. 248.75	\$ c.	\$ c. 1,570.80	\$ c.	\$ c.	\$ c.
25,286.27	18,600.65	30,785.20	9,220.72	21,887.58	50,727.43 90,830.86	4,257.61	7,954.32
10,095.08	9,989.19	11,286.53	1,435.32	12,700.02	47,844.31	2,473.48	2,219.20
9,567.33	9,465.40	7,557.37	1,873.26	10,102.08	38,876.63	1,223.65	1,568.03
4,922.71	1,041.19	2,673.13	890.49	1,880.68	5,442.53	199.05	422.43
847.99	2,587.35	2,734.44	697.53	6,327.12	8,864.71	64.35	2,188.41
	6,018.38			577.51	32,126.75		
51,394.38	47,702.16	55,285.42	14,117.32	55,045.79	274,713.22	8,218.14	14,352.39
1,192.04	1,811.92	4,579.14	192.81	5,648.05	27,044.03	3,811.19	253.67
3,135.38	3,000.00			3,000.00	6,000.00		
	2,587.86	3,071.09	180.29	2,423.55	16,459.94	1,399.14	292.48
			30.76				
25,107.63	3,300.72						
553.80	21,595.00	16,113.81	4,358.57	26,895.65	182,297.31	5,830.00	4,555.37
	303.03	20.00		30.01	459.00		
81,383.23	80,300.69	79,069.46	18,879.75	93,043.05	506,973.50	19,258.47	19,453.91
81,383.23	80,300.69	79,069.46	18,879.75	93,043.05	506,973.50	19,258.47	19,453.91
6,998.27	7,433.52	7,994.40	8,040.37	5,638.12	41,979.33	1,641.50	4,621.53
601.36		2,860.68	301.74		7,542.54	136.72	1.72
500.00	148.00	613.00		30.01	1,300.44		1.50
8,099.63	7,581.52	11,468.08	8,342.11	5,668.13	50,822.31	1,778.22	4,624.75
25,107.63	21,595.00	16,113.81	4,358.57	26,895.65	182,297.31	5,830.00	4,555.37
15,725.85	5,816.33	8,579.52	2,227.97	11,895.70	107,210.80	2,759.73	3,110.75
500.00	926.31			79.95	449.61		
41,333.48	28,337.64	24,693.33	6,586.54	38,871.30	289,957.72	8,589.73	7,666.12
7,501.73	15,066.48	21,005.60	2,959.63	13,311.88	110,820.67	1,908.50	4,878.47
24,448.39	3,300.72						
	26,014.33	21,902.45	991.47	35,191.74	55,372.80	6,982.02	2,284.57
31,950.12	44,381.53	42,908.05	3,951.10	48,503.62	166,193.47	8,890.52	7,163.04
81,383.23	80,300.69	79,069.46	18,879.75	93,043.05	506,973.50	19,258.47	19,453.91
14.2	7.7	18.2	57.4	8.6	15.6	13.2	31.0

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality.....	Richmond Hill	Ridgetown	Riverside	Rockwood	Rodney
Population.....	1,236	2,016	4,875	P.V.	729
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....			2,379.31	79.00	
Substation equipment.....	600.00	1,024.24			
Distribution system—overhead.....	10,598.07	21,995.05	91,650.97	7,651.52	10,876.25
Distributionsystem—underground					
Line transformers.....	8,549.95	9,910.62	32,013.17	2,481.27	2,890.98
Meters.....	5,030.10	9,543.33	22,615.33	2,876.34	3,503.11
Street light equipment, regular.....	1,334.77	3,549.96		689.83	631.29
Street light equipment, ornamental		1,431.73	17,030.71		
Miscellaneous construction expense	31.00	1,878.65	4,863.93	445.90	754.33
Steam or hydraulic plant.....					
Old plant.....		5,088.46			700.00
Total plant.....	26,143.89	54,422.04	170,553.42	14,223.86	19,355.96
Bank and cash balance.....	5,741.33	2,294.44	7,346.46	678.50	2,233.53
Securities and investments.....		11,000.00			
Accounts receivable.....	1,034.66	1,235.19	14,552.26	489.74	30.48
Inventories.....	139.90	875.67		101.03	
Sinking fund on local debentures.....					
Equity in H-E.P.C. systems.....	11,186.50	28,171.06	54,296.53	7,671.74	8,648.11
Other assets.....	275.53			76.10	
Total assets.....	44,521.81	97,998.40	246,748.67	23,240.97	30,268.08
Deficit.....					
Total.....	44,521.81	97,998.40	246,748.67	23,240.97	30,268.08
LIABILITIES					
Debenture balance.....	3,021.54	5,614.75	45,676.43	2,174.12	
Accounts payable.....	1,724.74	2,034.17	17,165.97	132.48	117.45
Bank overdraft.....					
Other liabilities.....	275.53	1,891.73	17,030.71	71.00	160.00
Total liabilities.....	5,021.81	9,540.65	79,873.11	2,377.60	277.45
RESERVES					
For equity in H-E.P.C. systems.....	11,186.50	28,171.06	54,296.53	7,671.74	8,648.11
For depreciation.....	1,880.84	13,397.71	33,363.81	4,932.31	2,239.22
Other reserves.....		275.00	4,598.52		
Total reserves.....	13,067.34	41,843.77	92,258.86	12,604.05	10,887.33
SURPLUS					
Debentures paid.....	9,178.46	13,841.24	36,823.57	2,325.88	8,500.00
Local sinking fund.....					
Operating surplus.....	17,254.20	32,772.74	37,793.13	5,933.44	10,603.30
Total surplus.....	26,432.66	46,613.98	74,616.70	8,259.32	19,103.30
Total liabilities, reserves and surplus.....	44,521.81	97,998.40	246,748.67	23,240.97	30,268.08
Percentage of net debt to total assets	15.0	11.8	35.8	15.3	1.3

“A”—Continued

Hydro Municipalities as at December 31, 1935

St. Catharines 26,394	St. Clair Beach 79	St. George P.V.	St. Jacobs P.V.	St. Marys 4,038	St. Thomas 16,066	Sandwich 10,682	Sarnia 17,645
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
52,484.81				3,000.00	74,748.59	541.70	112,246.86
112,041.49				26,975.49	110,146.39	4,097.56	199,845.48
206,971.81	8,054.80	5,949.09	6,551.08	57,015.85	114,298.56	107,859.46	218,257.69
					40,759.20		
142,519.71	2,726.36	2,729.42	2,539.38	19,061.14	54,374.18	47,105.19	87,681.72
90,656.03	1,450.15	2,933.56	2,908.59	22,315.91	71,354.95	49,894.67	74,400.13
18,494.17		286.41	368.97	5,506.42	21,259.32	11,665.76	25,327.26
29,486.71					3,693.04	51,239.13	7,482.11
28,626.73	161.33	374.18	547.21	3,665.04	8,559.66	6,756.88	22,498.80
17,507.89				20,696.85		4,148.96	55,445.72
698,789.35	12,392.64	12,272.66	12,915.23	158,236.70	499,193.89	283,309.31	803,185.77
25,170.65		228.20	468.99	3,349.53	8,418.93	19,885.24	8,549.59
			3,000.00		43,206.81	21,659.37	10,000.00
34,179.75	1,685.56	995.97	207.53	4,911.77	15,424.38	12,782.49	50,199.84
7,628.72				2,617.07	9,288.59	305.53	19,020.03
71,067.61				1,558.45			
362,391.74	4,402.90	9,437.53	9,801.78	92,373.41	323,660.21	156,222.53	407,081.90
		130.00			9,513.28		4,211.86
1,199,227.82	18,481.10	23,064.36	26,393.53	263,046.93	908,706.09	494,164.47	1,302,248.99
1,199,227.82	18,481.10	23,064.36	26,393.53	263,046.93	908,706.09	494,164.47	1,302,248.99
180,531.86	2,924.55	2,875.70	926.52	36,310.49	1,762.44	83,810.77	84,944.07
26,959.88	166.66	556.14	105.41		1,812.42		1,267.60
	363.82						
29,788.71		130.00		147.50	13,206.32	58,317.21	14,083.53
237,280.45	3,455.03	3,561.84	1,031.93	36,457.99	16,781.18	142,127.98	100,295.20
362,391.74	4,402.90	9,437.53	9,801.78	92,373.41	323,660.21	156,222.53	407,081.90
152,663.61	2,937.46	2,465.74	3,425.50	52,710.25	120,991.22	47,968.51	149,150.79
9,002.10	262.67			660.05	446.24	10,294.10	1,421.03
524,057.45	7,603.03	11,903.27	13,227.28	145,743.71	445,097.67	214,485.14	557,653.72
121,491.05	3,416.90	3,124.30	5,073.48	77,936.53	137,181.63	61,762.26	253,055.93
71,067.61				1,558.45			
245,331.26	4,006.14	4,474.95	7,060.84	1,350.25	309,645.61	75,789.09	391,244.14
437,889.92	7,423.04	7,599.25	12,134.32	80,845.23	446,827.24	137,551.35	644,300.07
1,199,227.82	18,481.10	23,064.36	26,393.53	263,046.93	908,706.09	494,164.47	1,302,248.99
19.0	24.5	26.1	6.2	21.6	2.9	31.7	10.2

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality.....	Scarboro' Twp.	Seaforth	Simcoe	Spring- field 380	Stamford Twp.
Population.....		1,697	5,317		
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	17,273.95	1,619.38	8,892.39		7,196.71
Substation equipment.....	301.95	5,999.16	30,611.71		37,384.60
Distribution system—overhead.....	276,094.33	28,248.51	49,981.48	7,996.00	128,180.97
Distribution system—underground			1,412.24		
Line transformers.....	62,242.03	11,015.60	25,792.69	2,374.19	44,064.91
Meters.....	65,751.73	9,837.17	25,466.63	2,017.85	31,702.21
Street light equipment, regular.....	19,838.72	1,414.55	5,629.17	558.91	9,747.80
Street light equipment, ornamental			3,500.00		
Miscellaneous construction expense	1,903.10	466.96	5,632.77	685.08	8,813.62
Steam or hydraulic plant.....					
Old plant.....			927.92		13,743.66
Total plant.....	443,405.81	58,601.33	157,847.00	13,632.03	280,834.48
Bank and cash balance.....	86,821.22	4,511.57	22,605.98	1,069.15	2,809.71
Securities and investments.....	2,680.00	100.00		4,500.00	
Accounts receivable.....	12,331.76	4,603.20	2,232.90	465.66	19,416.68
Inventories.....		1,787.44	3,869.50		8,541.87
Sinking fund on local debentures.....					
Equity in H-E.P.C. systems.....	110,929.96	43,835.66	63,519.60	6,455.42	60,956.15
Other assets.....			300.00	57.00	4,997.78
Total assets.....	656,168.75	113,439.20	250,374.98	26,179.26	377,556.67
Deficit.....					
Total.....	656,168.75	113,439.20	250,374.98	26,179.26	377,556.67
LIABILITIES					
Debenture balance.....	164,244.68		48,567.65	3,245.26	148,219.41
Accounts payable.....	62,575.46	27.75	6,843.36	25.45	19,448.43
Bank overdraft.....					
Other liabilities.....	28,397.10	88.00	3,680.00	57.00	4,362.86
Total liabilities.....	255,217.24	115.75	59,091.01	3,327.71	172,030.70
RESERVES					
For equity in H-E.P.C. systems.....	110,929.96	43,835.66	63,519.60	6,455.42	60,956.15
For depreciation.....	80,549.84	20,582.55	17,156.31	2,984.25	33,645.63
Other reserves.....	628.20	1,106.96			2,963.80
Total reserves.....	192,108.00	65,525.17	80,675.91	9,439.67	97,565.58
SURPLUS					
Debentures paid.....	126,323.59	25,000.00	26,867.25	6,254.74	92,058.76
Local sinking fund.....					
Operating surplus.....	82,519.92	22,798.28	83,740.81	7,157.14	15,901.63
Total surplus.....	208,843.51	47,798.28	110,608.06	13,411.88	107,960.39
Total liabilities, reserves and surplus	656,168.75	113,439.20	250,374.98	26,179.26	377,556.67
Percentage of net debt to total assets	46.8	0.2	30.0	16.8	54.3

“A”—Continued

Hydro Municipalities as at December 31, 1935

Stouffville	Stratford	Strathroy	Streetsville	Sutton	Tavistock	Tecumseh	Thames- ford P.V.
1,169	17,456	2,875	671	812	1,033	2,526	
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
12,712.37	183,835.70 121,684.65 153,937.03	8,741.01 23,219.34 49,304.02	2,038.47 1,172.04 8,185.38	20,432.16	234.02 13,325.98	34,874.42	7,735.17
4,160.67	94,074.18	20,245.46	4,922.49	7,097.85	6,251.28	10,186.68	2,625.63
4,363.38	33,838.95	14,996.12	2,580.14	5,761.87	4,873.64	10,322.15	2,685.73
1,604.52	22,112.92	5,814.75	1,049.40	1,773.58	1,034.99		290.65
450.06	17,714.97	2,396.09	701.86	1,591.03	560.84	4,760.95 1,293.08	344.50
	31,520.00	12,343.15	10,641.55	675.00			
23,291.00	663,718.40	137,059.94	31,291.33	37,331.49	26,280.75	61,437.28	13,681.68
4,584.18	28,021.38	9,857.36	2,312.68	1,520.34	4,048.31	1,980.23	1,761.33
5,000.00	71,500.00	10,000.00			3,091.16		7,500.00
1,051.62	26,997.73	4,583.40	367.61	2,624.38	1,735.09	6,320.75	373.90
23.04	9,123.18	2,056.32		34.50			
	221,589.80						
10,073.35	411,213.54	57,928.75	323.07	9,496.45	29,788.41	16,640.54	11,546.16
40.00	3,358.29	570.09		5.00			39.00
44,063.19	1,435,522.32	222,055.86	34,294.69	51,012.16	64,943.72	86,378.80	34,902.07
44,063.19	1,435,522.32	222,055.86	34,294.69	51,012.16	64,943.72	86,378.80	34,902.07
3,934.37	390,000.00	31,308.15	15,835.30	13,372.09	3,242.11	11,887.97	1,308.31
136.22	2,501.51	298.21		2,441.48		7,915.09	116.39
40.00	3,358.29	570.09	125.00	5.00		4,760.95	39.00
4,110.59	395,859.80	32,176.45	15,960.30	15,818.57	3,242.11	24,564.01	1,463.70
10,073.35	411,213.54	57,928.75	323.07	9,496.45	29,788.41	16,640.54	11,546.16
3,036.56	246,928.03	27,410.17	1,871.74	6,382.46	9,050.16	12,710.48	5,339.63
	2,962.34	300.00	25.00			1,636.50	
13,109.91	661,103.91	85,638.92	2,219.81	15,878.91	38,838.57	30,987.52	16,885.79
10,739.53	65,800.00	34,923.85	1,709.78	12,627.91	2,757.89	14,112.03	4,049.72
	221,589.80						
16,103.16	91,168.81	69,316.64	14,404.80	6,686.77	20,105.15	16,715.24	12,502.86
26,842.69	378,558.61	104,240.49	16,114.58	19,314.68	22,863.04	30,827.27	16,552.58
44,063.19	1,435,522.32	222,055.86	34,294.69	51,012.16	64,943.72	86,378.80	34,902.07
12.9	21.7	19.6	47.0	38.1	9.2	30.4	6.2

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality.....	Thames- ville 710	Thedford 575	Thorndale P.V.	Thorold 4,954	Tilbury 1,937
Population.....					
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	681.69			9,892.59	969.46
Substation equipment.....					
Distribution system—overhead.....	12,280.90	9,277.54	3,303.17	31,830.00	16,149.48
Distribution system—underground.....					
Line transformers.....	5,160.49	3,068.91	1,559.98	16,326.37	12,761.37
Meters.....	3,889.20	2,206.01	1,762.68	20,568.59	7,057.77
Street light equipment, regular.....	1,379.42	885.46	181.19	2,885.74	982.66
Street light equipment, ornamental.....					
Miscellaneous construction expense.....	646.62	1,588.81	310.45	7,703.76	1,614.67
Steam or hydraulic plant.....				13,244.74	
Old plant.....	4,445.68	433.78			3,049.47
Total plant.....	28,484.00	17,460.51	7,117.47	102,451.79	42,534.88
Bank and cash balance.....	2,219.85	669.13	526.51	14,161.95	4,405.91
Securities and investments.....	4,000.00	2,500.00			10,000.00
Accounts receivable.....	1,642.02	502.85	809.27	3,232.76	1,499.49
Inventories.....				172.79	
Sinking fund on local debentures.....					
Equity in H-E.P.C. systems.....	11,573.87	6,090.54	6,044.80	60,100.10	30,388.08
Other assets.....			37.25		
Total assets.....	47,919.74	27,223.03	14,535.30	180,119.39	88,878.36
Deficit.....					
Total.....	47,919.74	27,223.03	14,535.30	180,119.39	88,878.36
LIABILITIES					
Debenture balance.....		7,073.76	1,245.71		5,270.39
Accounts payable.....	16.06	89.11	3.13	2,589.57	29.43
Bank overdraft.....					
Other liabilities.....	145.00	23.00	37.25	1,677.50	
Total liabilities.....	161.06	7,185.87	1,286.09	4,267.07	5,299.82
RESERVES					
For equity in H-E.P.C. systems.....	11,573.87	6,090.54	6,044.80	60,100.10	30,388.08
For depreciation.....	7,407.86	2,876.53	3,121.99	26,333.49	10,894.50
Other reserves.....	462.18		100.00		128.53
Total reserves.....	19,443.91	8,967.07	9,266.79	86,433.59	41,411.11
SURPLUS					
Debentures paid.....	11,187.80	9,426.24	1,840.77	5,000.00	8,729.61
Local sinking fund.....					
Operating surplus.....	17,126.97	1,643.85	2,141.65	84,418.73	33,437.82
Total surplus.....	28,314.77	11,070.09	3,982.42	89,418.73	42,167.43
Total liabilities, reserves and surplus.....	47,919.74	27,223.03	14,535.30	180,119.39	88,878.36
Percentage of net debt to total assets.....	0.4	34.0	15.1	3.5	9.0

"A"—Continued

Hydro Municipalities as at December 31, 1935

Tillson- burg 3,453	Toronto 623,562	Toronto Twp.	Trafalgar Twp. Area No. 1	Trafalgar Twp. Area No. 2	Walkerville 9,968	Wallaceburg 4,630
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
4,824.27	5,397,337.63	6,366.13			147,518.53	37,746.29
13,937.52	14,692,952.68				155,069.52	9,651.80
43,553.56	6,378,859.19	184,421.26	21,129.09	10,813.84	155,062.12	57,831.05
	4,171,751.14					
17,376.47	3,605,457.68	55,744.33	9,840.94	2,146.16	91,312.05	35,173.82
16,952.98	3,078,565.05	33,906.09	4,889.87	1,343.65	71,306.97	19,903.69
11,536.67	487,205.93	3,717.44				10,224.10
					187,172.22	
3,647.76	2,199,275.61	2,081.35	1,943.62	323.21	38,354.32	4,238.52
	3,570,474.01	619.65			18,335.05	20,941.07
111,829.23	43,581,878.92	286,856.25	37,803.52	14,626.86	864,130.78	195,710.34
4,592.96	1,021,762.69	18,318.07	2,748.47	1,422.69		17,806.74
9,000.00		10,000.00	4,000.00	3,000.00	31,981.30	
3,693.79	1,874,782.67	1,414.33	945.99	355.28	104,201.16	8,284.53
2,447.36	504,538.60				26,891.99	5,955.37
	6,499,439.83					
57,850.63	12,696,300.68	64,425.83			438,548.75	124,582.56
2,837.55	116,363.00				652.08	2,030.38
192,251.52	66,295,066.39	381,014.48	45,497.98	19,404.83	1,466,406.06	354,369.92
192,251.52	66,295,066.39	381,014.48	45,497.98	19,404.83	1,466,406.06	354,369.92
7,931.29	23,454,196.78	49,722.29	10,601.41	9,461.15	107,728.08	38,566.86
356.15	1,627,852.77	6,640.09			33,091.17	
					19,786.21	
2,837.55	135,525.01	2,408.46			206,955.22	2,030.38
11,124.99	25,217,574.56	58,770.84	10,601.41	9,461.15	367,560.68	40,597.24
57,850.63	12,696,300.68	64,425.83			438,548.75	124,582.56
34,530.69	7,775,583.32	100,735.66	13,490.33	1,719.60	153,575.06	45,376.72
200.00	1,019,610.06	862.42			21,988.90	342.91
92,581.32	21,491,494.06	166,023.91	13,490.33	1,719.60	614,112.71	170,302.19
28,068.71	11,015,553.34	54,277.71	8,825.00		191,530.92	32,969.72
	6,499,439.83					
60,476.50	2,071,004.60	101,942.02	12,581.24	8,224.08	293,201.75	110,500.77
88,545.21	19,585,997.77	156,219.73	21,406.24	8,224.08	484,732.67	143,470.49
192,251.52	66,295,066.39	381,014.48	45,497.98	19,404.83	1,466,406.06	354,369.92
8.2	39.7	18.5	23.3	48.8	21.4	17.7

STATEMENT

Balance Sheets of Electrical Departments of

**NIAGARA
SYSTEM—Continued**

Municipality.....	Wardsville	Water- down	Waterford	Waterloo	Watford
Population.....	247	932	1,202	8,746	916
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
ASSETS					
Lands and buildings.....		200.00		14,454.37	
Substation equipment.....				63,643.83	
Distribution system—overhead.....	5,049.35	16,146.32	15,772.78	91,657.79	16,474.06
Distribution system—underground.....					
Line transformers.....	1,645.82	5,825.50	7,201.37	40,039.25	5,804.31
Meters.....	1,205.94	5,961.12	5,939.66	35,429.18	5,434.60
Street light equipment, regular.....	519.36	583.81	3,231.62	14,105.43	807.31
Street light equipment, ornamental.....				3,106.80	
Miscellaneous construction expense.....	515.73	299.07	496.76	7,755.98	2,084.60
Steam or hydraulic plant.....					
Old plant.....	193.94			23,880.07	657.44
Total plant.....	9,130.14	29,015.82	32,642.19	294,072.70	31,262.32
Bank and cash balance.....	1,141.49	5,173.78	2,181.33	29,956.54	2,017.27
Securities and investments.....			5,300.00		5,500.00
Accounts receivable.....	279.89	1,183.49	597.12	2,557.37	2,636.59
Inventories.....				783.76	76.24
Sinking fund on local debentures.....				12,761.77	
Equity in H-E.P.C. systems.....	2,360.92	15,899.46	21,357.55	173,062.02	14,642.13
Other assets.....					5.00
Total assets.....	12,912.44	51,272.55	62,078.19	513,194.16	56,139.55
Deficit.....					
Total.....	12,912.44	51,272.55	62,078.19	513,194.16	56,139.55
LIABILITIES					
Debenture balance.....	3,429.54			43,355.89	
Accounts payable.....	0.71	462.99	282.98	4,820.09	836.79
Bank overdraft.....					
Other liabilities.....		80.00		3,106.80	5.00
Total liabilities.....	3,430.25	542.99	282.98	51,282.78	841.79
RESERVES					
For equity in H-E.P.C. systems.....	2,360.92	15,899.46	21,357.55	173,062.02	14,642.13
For depreciation.....	2,319.49	7,294.38	10,879.00	106,526.25	7,101.39
Other reserves.....				300.00	20.64
Total reserves.....	4,680.41	23,193.84	32,236.55	279,888.27	21,764.16
SURPLUS					
Debentures paid.....	4,132.86	8,000.00	7,745.53	62,644.11	9,713.21
Local sinking fund.....				12,761.77	
Operating surplus.....	668.92	19,535.72	21,813.13	106,617.23	23,820.39
Total surplus.....	4,801.78	27,535.72	29,558.66	182,023.11	33,533.60
Total liabilities, reserves and surplus.....	12,912.44	51,272.55	62,078.19	513,194.16	56,139.55
Percentage of net debt to total assets.....	32.5	1.5	0.7	10.9	2.0

“A”—Continued

Hydro Municipalities as at December 31, 1935

Welland 10,585	Wellesley P.V.	West Lorne 747	Weston 4,958	Wheatley 743	Windsor 62,216	Wood- bridge 742	Wood- stock 10,968
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
73,269.45			11,903.31		318,468.75		35,489.71
57,424.22			32,737.85		679,275.86		94,693.30
133,240.74	6,691.79	11,330.46	60,387.64	15,326.91	759,226.45	16,838.33	104,342.66
7,475.04					141,988.44		
57,392.42	2,153.50	4,274.36	35,370.70	4,242.44	340,614.19	6,510.77	56,341.71
57,813.89	2,504.86	3,158.14	23,172.57	3,882.48	325,894.61	4,392.12	55,262.39
4,246.63	545.11	643.57	29,853.30	1,675.76	37,338.37	447.24	15,543.65
36,513.75					693,788.56		
11,264.54	137.41	347.14	5,750.42	1,077.83	130,957.25	848.35	3,167.87
49,968.69		1,250.00		2,569.50	140,882.11		
488,609.37	12,032.67	21,003.67	199,175.79	28,774.92	3,568,434.59	29,036.81	364,841.29
3,230.13	1,341.23	349.12	16,951.22	3,162.36	86,806.04	1,098.26	38,567.32
6,065.13				1,500.00	189,413.80		86,000.00
26,570.15	422.92	91.86	5,612.16	461.34	127,436.03	479.17	2,543.57
15,228.86			179.08		86,112.34		403.14
128,753.24					58,220.30		57,466.15
195,817.87	11,684.20	18,823.10	153,149.95	8,239.77	1,278,943.90	19,690.31	257,764.65
20,871.62				40.00			6,436.30
885,146.37	25,481.02	40,267.75	375,068.20	42,178.39	5,395,367.00	50,304.55	814,022.42
885,146.37	25,481.02	40,267.75	375,068.20	42,178.39	5,395,367.00	50,304.55	814,022.42
244,508.28	616.86		31,880.58	6,890.94	1,086,121.28	4,408.29	67,385.63
30,472.63		140.04	71.07		83,524.60	556.45	1,841.89
44,208.20		8.00	2,632.33	30.00	758,957.89	289.01	6,449.73
319,189.11	616.86	148.04	34,583.98	6,920.94	1,928,603.77	5,253.75	75,677.25
195,817.87	11,684.20	18,823.10	153,149.95	8,239.77	1,278,943.90	19,690.31	257,764.65
121,187.85	2,823.84	7,045.14	38,548.71	3,952.36	503,486.98	8,294.66	147,226.61
3,496.00			2,500.00		166,053.77		13,962.57
320,501.72	14,508.04	25,868.24	194,198.66	12,192.13	1,948,484.65	27,984.97	418,953.83
54,491.72	6,883.14	8,000.00	38,151.86	6,109.06	903,878.75	4,091.68	60,000.00
128,753.24					58,220.30		57,466.15
62,210.58	3,472.98	6,251.47	108,133.70	16,956.26	556,179.53	12,974.15	201,925.19
245,455.54	10,356.12	14,251.47	146,285.56	23,065.32	1,518,278.58	17,065.83	319,391.34
885,146.37	25,481.02	40,267.75	375,068.20	42,178.39	5,395,367.00	50,304.55	814,022.42
29.3	4.5	0.7	15.6	20.4	34.9	17.2	3.6

STATEMENT

Balance Sheets of Electrical Departments of

**NIAGARA
SYSTEM—Concluded**

Municipality.....	Wyoming	York Twp.	Zurich	NIAGARA SYSTEM SUMMARY
Population.....	492		P.V.	
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....				8,871,962.59
Substation equipment.....				20,577,042.85
Distribution system—overhead.....	7,984.17	789,414.06	6,932.37	17,306,743.32
Distribution system—underground				5,650,639.91
Line transformers.....	1,470.55		1,643.52	8,289,074.95
Meters.....	2,442.46		2,268.77	7,151,500.68
Street light equipment, regular.....	289.62	49,877.71	471.82	1,760,915.37
Street light equipment, ornamental				1,486,302.46
Miscellaneous construction expense	805.20	19,070.96	269.97	3,224,840.94
Steam or hydraulic plant.....				23,886.29
Old plant.....			150.00	4,336,823.16
				200,000.00
Total plant.....	12,992.00	858,362.73	11,736.45	78,879,732.52
Bank and cash balance.....		8,201.86	1,321.05	2,401,754.32
Securities and investments.....			2,000.00	864,081.66
Accounts receivable.....	365.98	26,210.30	585.98	3,593,482.82
Inventories.....				1,081,825.57
Sinking fund on local debentures....				8,017,924.03
Equity in H-E.P.C. systems.....	5,470.06		9,042.51	28,796,956.95
Other assets.....	35.00	22,669.04		291,141.03
Total assets.....	18,863.04	915,443.93	24,685.99	123,926,898.90
Deficit.....	1,657.30			4,064.59
Total.....	20,520.34	915,443.93	24,685.99	123,930,963.49
LIABILITIES				
Debenture balance.....		359,508.92	3,364.10	33,198,700.44
Accounts payable.....		6,234.78	48.98	2,712,914.44
Bank overdraft.....	195.14			29,622.87
Other liabilities.....	35.00		30.00	3,383,163.11
Total liabilities.....	230.14	365,743.70	3,443.08	39,324,400.86
RESERVES				
For equity in H-E.P.C. systems....	5,470.06		9,042.51	28,796,956.95
For depreciation.....	5,120.14	190,987.43	4,730.60	15,197,598.02
Other reserves.....				1,902,626.88
Total reserves.....	10,590.20	190,987.43	13,773.11	45,897,181.85
SURPLUS				
Debentures paid.....	9,700.00	240,491.08	2,227.51	19,889,130.22
Local sinking fund.....				8,017,924.03
Operating surplus.....		118,221.72	5,242.29	10,802,326.53
Total surplus.....	9,700.00	358,712.80	7,469.80	38,709,380.78
Total liabilities, reserves and surplus	20,520.34	915,443.93	24,685.99	123,930,963.49
Percentage of net debt to total assets	1.5	40.0	22.0	34.8

“A”—Continued

Hydro Municipalities as at December 31, 1935

GEORGIAN BAY
SYSTEM

Alliston 1,412	Arthur 1,034	Barrie 7,725	Beaverton 932	Beeton 621	Bradford 1,002	Brechin 621	Canning- ton 786
\$ c. 675.73	\$ c.	\$ c. 14,199.11	\$ c. 299.50	\$ c.	\$ c.	\$ c.	\$ c.
26,791.07	17,407.12	15,285.02		428.50	388.50		
		58,431.11	24,335.95	11,753.79	19,589.82	1,789.59	10,195.33
7,250.73	4,110.35	66,437.67					
7,373.97	3,548.54	41,005.83	8,017.19	2,274.43	4,243.09	1,126.71	4,262.88
1,522.69	767.21	40,046.94	6,115.08	2,082.99	4,235.85	726.95	4,358.85
		12,063.80	1,226.98	1,169.54	544.95	212.44	924.69
2,778.67	369.87	7,787.13	2,663.01	1,433.38	1,828.94	553.28	719.58
7,846.49	1,086.62	42,634.32	3,772.42				3,609.37
54,239.35	27,289.71	297,890.93	46,430.13	19,142.63	30,831.15	4,408.97	24,070.70
3,464.63	6.72	3,870.26		2,070.07	2,324.99	544.91	1,472.06
			7,000.00		1,000.00		1,326.62
1,035.43	1,306.14	23,908.81	2,088.08	337.60	3,573.02	1,280.72	1,105.09
64.80		1,374.65			11.70	20.80	131.38
14,331.27	13,155.09	92,801.51	14,444.80	10,657.49	11,903.31	5,562.91	10,890.55
2.50		643.44	446.47		208.74	26.85	29.00
73,137.98	41,757.66	420,489.60	70,409.48	32,207.79	49,852.91	11,845.16	39,025.40
	11,827.67			1,133.67			
73,137.98	53,585.33	420,489.60	70,409.48	33,341.46	49,852.91	11,845.16	39,025.40
22,930.75	16,071.34	21,026.48	5,404.43	9,165.98	16,352.59	1,939.90	6,646.49
1,255.63	3,035.79	14,840.84	819.77	381.81	573.52		132.85
			27.02				
2.50		470.80	446.47		208.74	26.85	29.00
24,188.88	19,107.13	36,338.12	6,697.69	9,547.79	17,134.85	1,966.75	6,808.34
14,331.27	13,155.09	92,801.51	14,444.80	10,657.49	11,903.31	5,562.91	10,890.55
15,257.48	12,394.45	67,967.81	11,440.35	7,302.16	9,128.40	1,945.24	8,653.50
		400.00					
29,588.75	25,549.54	161,169.32	25,885.15	17,959.65	21,031.71	7,508.15	19,544.05
17,069.25	8,928.66	86,973.52	9,595.57	5,834.02	8,847.41	1,271.02	8,353.51
2,291.10		136,008.64	28,231.07		2,838.94	1,099.24	4,319.50
19,360.35	8,928.66	222,982.16	37,826.64	5,834.02	11,686.35	2,370.26	12,673.01
73,137.98	53,585.33	420,489.60	70,409.48	33,341.46	49,852.91	11,845.16	39,025.40
41.1	66.8	11.1	12.0	44.3	45.2	31.3	24.2

STATEMENT

Balance Sheets of Electrical Departments of

GEORGIAN BAY
SYSTEM—Continued

Municipality.....	Chatsworth 302	Chesley 1,794	Coldwater 608	Collingwood 5,416	Cookstown P.V.
Population.....					
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	229.00		275.00	15,950.08	60.00
Substation equipment.....		595.98		11,203.24	392.95
Distribution system—overhead.....	4,918.77	19,951.45	7,939.29	48,034.00	9,136.76
Distribution system—underground					
Line transformers.....	1,618.38	6,809.24	2,779.67	17,032.06	2,232.60
Meters.....	1,525.20	6,608.66	2,764.00	22,218.00	2,217.67
Street light equipment, regular.....	529.17	1,201.48	465.73	2,876.90	701.86
Street light equipment, ornamental					
Miscellaneous construction expense	399.31	3,417.12	196.92	1,290.00	1,533.75
Steam or hydraulic plant.....					
Old plant.....		5,503.60			
Total plant.....	9,219.83	44,087.53	14,420.61	118,604.28	16,275.59
Bank and cash balance.....	1,350.67	864.15	1,972.49	5,753.39	5,122.87
Securities and investments.....		10,000.00	4,000.00	16,000.00	
Accounts receivable.....	1,051.12	2,595.85	2,385.14	5,851.20	775.92
Inventories.....		133.49		367.24	
Sinking fund on local debentures.....	3,655.16				
Equity in H-E.P.C. systems.....	2,811.97	23,498.03	9,318.31	95,801.86	3,386.73
Other assets.....			95.00	1,953.01	20.00
Total assets.....	18,088.75	81,179.05	32,191.55	244,330.98	25,581.11
Deficit.....					
Total.....	18,088.75	81,179.05	32,191.55	244,330.98	25,581.11
LIABILITIES					
Debenture balance.....	4,422.81	825.91	3,050.93		5,934.31
Accounts payable.....	2.53		97.95	21.14	33.26
Bank overdraft.....					
Other liabilities.....			95.00	1,953.01	20.00
Total liabilities.....	4,425.34	825.91	3,243.88	1,974.15	5,987.57
RESERVES					
For equity in H-E.P.C. systems.....	2,811.97	23,498.03	9,318.31	95,801.86	3,386.73
For depreciation.....	2,548.26	15,914.88	7,878.74	48,425.91	6,574.36
Other reserves.....					
Total reserves.....	5,360.23	39,412.91	17,197.05	144,227.77	9,961.09
SURPLUS					
Debentures paid.....	977.19	26,674.09	3,949.07	38,183.42	7,565.69
Local sinking fund.....	3,655.16				
Operating surplus.....	3,670.83	14,266.14	7,801.55	59,945.64	2,066.76
Total surplus.....	8,303.18	40,940.23	11,750.62	98,129.06	9,632.45
Total liabilities, reserves and surplus	18,088.75	81,179.05	32,191.55	244,330.98	25,581.11
Percentage of net debt to total assets	6.6	1.4	14.2	1.3	27.0

“A”—Continued

Hydro Municipalities as at December 31, 1935

Creemore 656	Dundalk 709	Durham 1,825	Elmvale P.V.	Elmwood P.V.	Flesherton 469	Grand Valley 575	Graven- hurst 1,985
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
		56.59	106.25			36.50	3,526.17
		546.02	2,273.07				5,358.90
7,291.01	7,855.60	21,925.33	8,480.10	4,812.76	5,446.88	11,341.14	26,259.22
3,171.36	3,487.56	7,040.30	3,959.64	833.38	1,797.67	2,179.63	7,902.55
3,021.57	2,540.01	6,959.33	3,475.84	1,050.00	2,230.11	2,800.89	9,479.18
295.27	1,082.10	1,408.66	447.17	302.28	720.51	527.83	4,128.52
36.62	370.38	1,858.81	566.27	1,093.62	921.68	205.70	2,563.15
	380.94	2,091.39				919.85	28,055.29
13,815.83	15,716.59	41,886.43	19,308.34	8,092.04	11,116.85	18,011.54	87,272.98
1,564.78	443.12	523.49	2,278.60	2,942.78	3,871.14	3,239.29	9,180.08
	3,000.00	7,000.00	2,500.00			2,128.60	
617.80	1,320.79	4,238.87	600.02	276.31	748.79	896.57	3,350.32
	31.62	62.60	7.20		17.28	3.60	793.76
				433.44			8,785.05
8,093.08	8,017.80	21,531.73	10,669.25	2,604.43	4,499.12	8,016.37	16,021.28
54.00							250.00
24,145.49	28,529.92	75,243.12	35,363.41	14,349.00	20,253.18	32,295.97	125,653.47
24,145.49	28,529.92	75,243.12	35,363.41	14,349.00	20,253.18	32,295.97	125,653.47
		411.22	2,634.86	1,687.06	3,200.47	904.74	10,287.88
	130.43	85.70	567.54	85.62	414.84		282.28
54.00							250.00
54.00	130.43	496.92	3,202.40	1,772.68	3,615.31	904.74	10,820.16
8,093.08	8,017.80	21,531.73	10,669.25	2,604.43	4,499.12	8,016.37	16,021.28
3,961.34	4,519.14	12,066.90	7,750.52	3,162.19	4,032.00	6,115.39	17,599.81
							286.28
12,054.42	12,536.94	33,598.63	18,419.77	5,766.62	8,531.12	14,131.76	33,907.37
2,823.61	6,336.90	25,388.78	4,365.14	5,512.94	3,499.53	10,095.26	53,680.53
				433.44			8,785.05
9,213.46	9,525.65	15,758.79	9,376.10	863.32	4,607.22	7,164.21	18,460.36
12,037.07	15,862.55	41,147.57	13,741.24	6,809.70	8,106.75	17,259.47	80,925.94
24,145.49	28,529.92	75,243.12	35,363.41	14,349.00	20,253.18	32,295.97	125,653.47
	0.1	0.9	13.0	15.7	22.9	3.7	10.7

STATEMENT

Balance Sheets of Electrical Departments of

GEORGIAN BAY
SYSTEM—Continued

Municipality.....	Hanover	Holstein	Huntsville	Kincardine	Kirkfield
Population.....	3,006	P.V.	2,651	2,354	P.V.
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	3,001.32		353.52	6,531.80	
Substation equipment.....	9,271.19		647.30	2,794.20	
Distribution system—overhead.....	49,342.78	2,102.68	13,837.68	42,901.86	5,130.67
Distribution system—underground					
Line transformers.....	16,924.12	571.82	7,058.02	11,266.45	557.90
Meters.....	15,787.15	544.92	10,052.63	10,920.90	722.75
Street light equipment, regular.....	2,326.30	168.69	2,262.52	5,420.36	379.00
Street light equipment, ornamental					
Miscellaneous construction expense	5,183.57	205.93	1,215.75	5,186.49	301.53
Steam or hydraulic plant.....					
Old plant.....	2,370.91		5,436.20		
Total plant.....	104,207.34	3,594.04	40,863.62	85,022.06	7,091.85
Bank and cash balance.....	6,148.69	857.43	2,456.04		840.63
Securities and investments.....	26,094.26		19,323.25		
Accounts receivable.....	4,381.18	1,736.06	3,878.32	5,218.95	312.91
Inventories.....	136.97	54.81	1,572.89	772.80	
Sinking fund on local debentures.....					
Equity in H-E.P.C. systems.....	55,517.39	1,788.55	38,179.27	24,910.03	2,135.13
Other assets.....			782.50		
Total assets.....	196,485.83	8,030.89	107,055.89	115,923.84	10,380.52
Deficit.....					1,356.93
Total.....	196,485.83	8,030.89	107,055.89	115,923.84	11,737.45
LIABILITIES					
Debenture balance.....	22,562.47		894.97	24,201.09	2,203.71
Accounts payable.....	3,141.31	1,244.86	32.16	307.45	1,165.89
Bank overdraft.....				26.20	
Other liabilities.....	4.42		782.50		
Total liabilities.....	25,708.20	1,244.86	1,709.63	24,534.74	3,369.60
RESERVES					
For equity in H-E.P.C. systems.....	55,517.39	1,788.55	38,179.27	24,910.03	2,135.13
For depreciation.....	42,560.26	1,353.18	13,497.85	19,891.33	2,436.43
Other reserves.....			300.00		
Total reserves.....	98,077.65	3,141.73	51,977.12	44,801.36	4,571.56
SURPLUS					
Debentures paid.....	64,937.53	2,762.05	20,238.57	39,998.91	3,796.29
Local sinking fund.....					
Operating surplus.....	7,762.45	882.25	33,130.57	6,588.83	
Total surplus.....	72,699.98	3,644.30	53,369.14	46,587.74	3,796.29
Total liabilities, reserves and surplus	196,485.83	8,030.89	107,055.89	115,923.84	11,737.45
Percentage of net debt to total assets	18.2	19.9	2.5	27.0	40.9

“A”—Continued

Hydro Municipalities as at December 31, 1935

Lucknow 1,055	Markdale 793	Meaford 2,722	Midland 7,250	Mildmay 741	Mount Forest 1,826	Neustadt 491	Orange- ville 2,789
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
17,254.26	10,387.33	31,112.73	94,474.14	6,016.98	22,819.95	9,995.44	32,579.63
4,770.36	4,151.74	7,930.58	23,535.11	1,657.05	6,492.49	3,641.93	8,485.01
4,921.91	3,538.09	7,752.83	36,872.44	2,387.87	7,523.26	2,017.85	11,797.99
1,425.49	1,314.08	3,228.89	20,587.44	561.88	2,302.55	496.41	7,532.55
2,596.18	693.68	2,341.89	4,637.57	907.06	2,061.00	1,521.48	6,358.24
	2,080.65	3,453.88		849.00	3,810.95	1,097.60	3,204.99
30,968.20	22,946.37	59,330.18	285,186.47	12,379.84	49,421.95	18,770.71	73,712.48
1,571.00	3,148.56	76.32		3,044.13	138.09	2,612.71	8,763.43
4,500.00	1,255.13	16,853.60	29,000.00		4,000.00		2,500.00
1,877.96	1,507.24	3,088.19	27,228.04	880.83	2,432.77	4,481.67	3,539.35
	35.00	141.49	2,506.43	33.23	82.00	22.14	326.24
11,948.34	6,420.65	16,995.39	150,526.67	892.70	20,445.00	4,739.25	27,373.60
		1,067.38	824.04				
50,865.50	35,312.95	97,552.55	495,271.65	17,230.73	76,519.81	30,626.48	116,215.10
						118.14	
50,865.50	35,312.95	97,552.55	495,271.65	17,230.73	76,519.81	30,744.62	116,215.10
8,707.02	4,812.94	31,454.71	21,131.84	11,445.12	10,344.37	4,607.37	3,063.94
351.45	513.89	119.31	7,434.79	59.08	250.00	1,450.77	727.90
		444.98	15,402.79				
	22.00	1,067.38	824.04				
9,058.47	5,348.83	33,086.38	44,793.46	11,504.20	10,594.37	6,058.14	3,791.84
11,948.34	6,420.65	16,995.39	150,526.67	892.70	20,445.00	4,739.25	27,373.60
6,515.27	5,900.40	11,156.59	128,547.93	648.00	16,943.12	7,554.60	23,450.86
			2,951.56				
18,463.61	12,321.05	28,151.98	282,026.16	1,540.70	37,388.12	12,293.85	50,824.46
11,016.34	4,187.06	17,905.49	90,938.15	858.38	20,614.23	12,392.63	32,836.06
12,327.08	13,456.01	18,408.70	77,513.88	3,327.45	7,923.09		28,762.74
23,343.42	17,643.07	36,314.19	168,452.03	4,185.83	28,537.32	12,392.63	61,598.80
50,865.50	35,312.95	97,552.55	495,271.65	17,230.73	76,519.81	30,744.62	116,215.10
23.3	18.5	41.1	13.0	70.4	18.9	23.4	4.3

STATEMENT

Balance Sheets of Electrical Departments of

GEORGIAN BAY
SYSTEM—Continued

Municipality.....	Owen Sound 12,923	Paisley 728	Penetang- uishene 4,352	Port Elgin 1,301	Port McNicol 935
Population					
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	25,978.31		2,262.10	111.25	369.08
Substation equipment.....	15,131.59	1,933.26	7,076.39		
Distribution system—overhead.....	108,076.27	11,562.78	41,344.97	25,907.50	8,040.07
Distribution system—underground					
Line transformers.....	46,500.78	1,602.53	15,402.52	6,103.51	1,508.48
Meters.....	56,737.90	3,003.08	13,463.23	6,331.95	2,527.13
Street light equipment, regular.....	27,973.09	1,045.51	3,511.38	2,089.20	468.63
Street light equipment, ornamental					
Miscellaneous construction expense	4,202.39	853.45	1,541.97	574.61	634.70
Steam or hydraulic plant.....	33,282.00				
Old plant.....		1,745.00		4,213.00	
Total plant.....	317,882.33	21,745.61	84,602.56	45,331.02	13,548.09
Bank and cash balance.....	31,562.57	2,839.12	1,776.34	6,616.47	222.75
Securities and investments.....		2,500.00	872.14	10,000.00	
Accounts receivable.....	16,380.84	1,086.90	3,802.78	311.35	634.59
Inventories.....	10,563.39		192.32	28.22	
Sinking fund on local debentures.....					
Equity in H-E.P.C. systems.....	129,124.45	6,862.12	43,200.02	3,876.63	4,134.47
Other assets.....			254.57		
Total assets.....	505,513.58	35,033.75	134,700.73	66,163.69	18,539.90
Deficit.....					
Total.....	505,513.58	35,033.75	134,700.73	66,163.69	18,539.90
LIABILITIES					
Debenture balance.....		8,481.18	12,035.62	34,981.33	1,010.58
Accounts payable.....	292.13	746.11	3,744.35	4,369.21	407.69
Bank overdraft.....					
Other liabilities.....	2,988.13		254.57	10.00	
Total liabilities.....	3,280.26	9,227.29	16,034.54	39,360.54	1,418.27
RESERVES					
For equity in H-E.P.C. systems....	129,124.45	6,862.12	43,200.02	3,876.63	4,134.47
For depreciation.....	65,613.44	4,551.92	33,535.19	3,943.78	4,757.34
Other reserves.....			1,000.00		
Total reserves.....	194,737.89	11,414.04	77,735.21	7,820.41	8,891.81
SURPLUS					
Debentures paid.....	141,000.00	7,518.82	24,947.33	7,018.67	6,289.42
Local sinking fund.....					
Operating surplus.....	166,495.43	6,873.60	15,983.65	11,964.07	1,940.40
Total surplus.....	307,495.43	14,392.42	40,930.98	18,982.74	8,229.82
Total liabilities, reserves and surplus	505,513.58	35,033.75	134,700.73	66,163.69	18,539.90
Percentage of net debt to total assets	0.9	32.8	17.5	63.2	9.8

“A”—Continued

Hydro Municipalities as at December 31, 1935

Port Perry 1,146	Priceville P.V.	Ripley 450	Rosseau 300	Shelburne 1,166	Southamp- ton 1,355	Stayner 900	Sunderland P.V.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
	68.00			800.00	25.00		
2,564.65				566.60		200.00	
19,017.77	4,717.36	9,975.19	7,183.82	14,735.46	20,948.31	13,203.08	4,151.87
4,676.69	702.86	3,551.90	2,204.63	6,309.57	6,275.07	5,603.35	1,424.35
4,130.00	380.00	1,500.13	1,072.07	6,538.06	7,310.75	5,501.54	2,107.48
1,037.90	139.88	844.33	451.87	1,059.60	2,000.73	966.80	627.74
143.78	833.90	1,266.68	1,126.07	2,253.26	955.09	326.63	198.22
				739.50	2,077.00	4,132.41	2,030.00
31,570.79	6,842.00	17,138.23	12,038.46	33,002.05	39,591.95	29,933.81	10,539.66
2,306.62	65.01	1,270.80	2,284.67	1,821.73	3,968.52	1,611.57	205.06
10,000.00				2,500.00		4,000.00	2,051.81
2,140.10	518.25	641.94	530.94	2,065.46	293.06	1,304.98	474.91
				68.04	13.82		15.00
10,191.04	599.23	4,903.43	1,520.26	12,518.27	3,746.42	10,756.87	7,251.24
495.44						101.78	6.00
56,703.99	8,024.49	23,954.40	16,374.33	51,975.55	47,613.77	47,709.01	20,543.68
	1,659.86						
56,703.99	9,684.35	23,954.40	16,374.33	51,975.55	47,613.77	47,709.01	20,543.68
13,329.06	2,203.64	9,555.70	12,272.00	1,457.00	20,275.13	411.67	2,526.68
	125.57	1.40	272.54	11.77	720.33	61.73	24.08
495.44	74.45	60.00		13.00	2.00	101.78	6.00
13,824.50	2,403.66	9,617.10	12,544.54	1,481.77	20,997.46	575.18	2,556.76
10,191.04	599.23	4,903.43	1,520.26	12,518.27	3,746.42	10,756.87	7,251.24
7,305.90	1,885.10	3,877.31	899.47	11,785.33	3,099.29	10,730.05	3,778.00
17,496.94	2,484.33	8,780.74	2,419.73	24,303.60	6,845.71	21,486.92	11,029.24
6,552.60	4,796.36	4,416.24	728.00	18,463.00	12,724.87	13,588.33	4,273.32
18,829.95		1,140.32	682.06	7,727.18	7,045.73	12,058.58	2,684.36
25,382.55	4,796.36	5,556.56	1,410.06	26,190.18	19,770.60	25,646.91	6,957.68
56,703.99	9,684.35	23,954.40	16,374.33	51,975.55	47,613.77	47,709.01	20,543.68
29.7	32.4	50.5	84.5	3.8	47.9	1.6	19.2

STATEMENT

Balance Sheets of Electrical Departments of

GEORGIAN BAY
SYSTEM—Concluded

Municipality.....	Tara	Teeswater	Thornton	Tottenham	Uxbridge
Population.....	509	796	P.V.	514	1,514
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....					40.00
Substation equipment.....		330.31		358.50	2,657.65
Distribution system—overhead.....	11,118.17	16,987.54	6,478.82	8,171.10	13,522.71
Distribution system—underground					
Line transformers.....	2,292.77	4,760.65	1,015.06	1,256.38	3,718.53
Meters.....	1,773.78	3,416.28	912.23	2,109.02	4,585.54
Street light equipment, regular.....	430.59	1,406.90	381.95	466.26	1,379.46
Street light equipment, ornamental					
Miscellaneous construction expense	1,414.55	1,881.49	300.35	1,331.88	886.42
Steam or hydraulic plant.....					
Old plant.....		4,976.86		286.45	
Total plant.....	17,029.86	33,760.03	9,088.41	13,979.59	26,790.31
Bank and cash balance.....	1,509.71	1,405.67	27.38	468.06	695.04
Securities and investments.....		1,000.00			8,000.00
Accounts receivable.....	688.70	1,045.28	504.48	216.27	2,230.45
Inventories.....					
Sinking fund on local debentures					
Equity in H-E.P.C. systems.....	5,657.70	7,945.13	2,222.05	6,974.63	10,900.67
Other assets.....				220.15	25.45
Total assets.....	24,885.97	45,156.11	11,842.32	21,858.70	48,641.92
Deficit.....	2,734.90		3,551.67	3,735.00	
Total.....	27,620.87	45,156.11	15,393.99	25,593.70	48,641.92
LIABILITIES					
Debenture balance.....	3,453.62	9,665.77	2,461.23	6,800.27	9,733.95
Accounts payable.....		897.09	1,304.14		55.35
Bank overdraft.....					
Other liabilities.....		34.00		220.15	25.45
Total liabilities.....	3,453.62	10,596.86	3,765.37	7,020.42	9,814.75
RESERVES					
For equity in H-E.P.C. systems....	5,657.70	7,945.13	2,222.05	6,974.63	10,900.67
For depreciation.....	6,463.17	5,655.23	4,367.80	5,431.82	5,203.35
Other reserves.....					
Total reserves.....	12,120.87	13,600.36	6,589.85	12,406.45	16,104.02
SURPLUS					
Debentures paid.....	12,046.38	18,334.23	5,038.77	6,166.83	6,473.64
Local sinking fund.....					
Operating surplus.....		2,624.66			16,249.51
Total surplus.....	12,046.38	20,958.89	5,038.77	6,166.83	22,723.15
Total liabilities, reserves and surplus	27,620.87	45,156.11	15,393.99	25,593.70	48,641.92
Percentage of net debt to total assets	18.0	28.5	39.1	47.2	26.0

“A”—Continued

Hydro Municipalities as at December 31, 1935

Victoria Harbor 1,164	Walkerton 2,461	Waubau- shene P.V.	Wiarton 1,782	Winder- mere 127	Wingham 2,024	Wood- ville 442	GEORGIAN BAY SYSTEM SUMMARY
\$ c.	\$ c.	\$ c.	\$ c. 200.00	\$ c.	\$ c.	\$ c.	\$ c.
8,967.55	41,573.07	7,336.73	21,314.73	9,252.66	40,474.75	3,015.16	111,716.22
1,481.93	11,003.32	1,907.40	5,759.43	3,079.65	16,004.55	2,127.54	175,004.93
2,401.49	10,519.26	2,038.24	5,923.97	1,002.87	14,687.68	2,179.77	1,168,719.66
366.32	2,513.25	282.35	1,960.48	247.26	3,489.76	398.27	66,437.67
696.65	1,990.87	353.39	5,343.65	525.65	4,340.47	307.91	386,451.28
	4,897.60		2,258.84		14,711.99		412,373.67
					12,320.02	2,182.50	136,665.45
13,913.94	72,497.37	11,918.11	42,761.10	14,108.09	120,056.47	10,211.15	100,081.59
815.42	6,152.62	1,915.30	3,914.12	162.90	3,419.43	1,043.05	47,993.99
505.50	3,454.92	637.83	5,000.00		7,000.00	5,000.00	160,597.45
	902.24	10.37	2,221.23	1,153.11	5,509.29	1,582.91	215,405.41
4,457.95	7,099.18	2,521.03	6.91		3,012.98		169,843.13
							23,517.41
							12,873.65
							1,073,533.56
							7,506.32
19,692.81	90,106.33	17,002.64	59,685.02	16,611.80	161,983.44	25,064.39	4,428,785.04
							26,117.84
19,692.81	90,106.33	17,002.64	59,685.02	16,611.80	161,983.44	25,064.39	4,454,902.88
0.50	54,788.00		33,834.31	10,943.34	31,916.79	2,365.13	562,829.70
	232.73	69.06	3,005.07	1,351.25	59.36	95.67	57,407.49
	25.00		10.00		451.00		15,900.99
0.50	55,045.73	69.06	36,849.38	12,294.59	32,427.15	2,460.80	11,027.68
4,457.95	7,099.18	2,521.03	5,781.66	1,187.70	22,985.27	7,227.28	1,073,533.56
4,469.52	4,253.65	2,558.86	3,615.94	1,433.75	25,516.40	2,269.43	782,095.69
							4,937.84
8,927.47	11,352.83	5,079.89	9,397.60	2,621.45	48,501.67	9,496.71	1,860,567.09
6,500.00	8,212.00	3,500.00	3,565.69	819.96	64,188.71	3,134.87	1,048,704.84
4,264.84	15,495.77	8,353.69	9,872.35	875.80	16,865.91	9,972.01	12,873.65
10,764.84	23,707.77	11,853.69	13,438.04	1,695.76	81,054.62	13,106.88	885,591.44
19,692.81	90,106.33	17,002.64	59,685.02	16,611.80	161,983.44	25,064.39	1,947,169.93
	66.3	0.5	68.4	79.7	23.3	13.8	18.8

STATEMENT

Balance Sheets of Electrical Departments of

EASTERN ONTARIO
SYSTEM

Municipality.....	Alexandria	Apple Hill	Athens	Bath	Belleville
Population.....	1,945	P.V.	562	360	13,899
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....		169.06			36,108.70
Substation equipment.....					2,338.65
Distribution system—overhead.....	28,142.52	2,886.41	14,010.14	5,895.78	109,509.23
Distribution system—underground					
Line transformers.....	8,443.14	1,288.37	1,980.47	1,021.65	24,559.09
Meters.....	6,939.89	1,041.01	2,662.62	707.55	57,276.98
Street light equipment, regular.....	2,224.20	421.12	698.90	554.37	17,381.47
Street light equipment, ornamental					
Miscellaneous construction expense	5,137.46	288.83	1,011.61	727.38	3,711.10
Steam or hydraulic plant.....					
Old plant.....	4,466.89	709.55			
Total plant.....	55,354.10	6,804.35	20,363.74	8,906.73	250,885.22
Bank and cash balance.....	1,265.76	517.89	131.40	17.59	17,261.65
Securities and investments.....	5,000.00		2,000.00		5,000.00
Accounts receivable.....	6,361.50	540.11	2,416.18	63.85	45,812.76
Inventories.....					6,891.58
Sinking fund on local debentures.....					
Equity in H-E.P.C. systems.....	21,054.12	2,102.39	3,372.84	896.72	88,179.28
Other assets.....					
Total assets.....	89,035.48	9,964.24	28,284.16	9,884.89	414,030.49
Deficit.....		80.11		273.48	
Total.....	89,035.48	10,044.35	28,284.16	10,158.37	414,030.49
LIABILITIES					
Debenture balance.....	14,691.37	2,684.99	10,680.70	6,818.58	
Accounts payable.....	2,372.74	276.70	28.16	1,032.65	205.16
Bank overdraft.....					
Other liabilities.....	421.23			50.00	8,531.67
Total liabilities.....	17,485.34	2,961.69	10,708.86	7,901.23	8,736.83
RESERVES					
For equity in H-E.P.C. systems....	21,054.12	2,102.39	3,372.84	896.72	88,179.28
For depreciation.....	13,156.76	1,665.26	2,888.75	679.00	28,860.60
Other reserves.....	771.74		8.56		1,156.66
Total reserves.....	34,982.62	3,767.65	6,270.15	1,575.72	118,196.54
SURPLUS					
Debentures paid.....	33,442.47	3,315.01	3,319.30	681.42	176,000.00
Local sinking fund.....					
Operating surplus.....	3,125.05		7,985.85		111,097.12
Total surplus.....	36,567.52	3,315.01	11,305.15	681.42	287,097.12
Total liabilities, reserves and surplus	89,035.48	10,044.35	28,284.16	10,158.37	414,030.49
Percentage of net debt to total assets	25.7	37.7	42.9	87.9	2.7

“A”—Continued

Hydro Municipalities as at December 31, 1935

Bloomfield 677	Bowman- ville 3,602	Brighton 1,427	Brockville 9,818	Cardinal 1,428	Carleton Place 4,186	Chester- ville 970	Cobden 637
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
			45,295.14		13,262.50	250.00	
410.00			1,000.87		2,471.63		
11,114.81	43,954.11	14,608.53	86,977.25	11,876.19	42,858.47	8,197.57	3,815.00
2,230.77	7,840.16	4,443.90	37,405.23	2,850.50	11,798.78	3,245.64	560.00
2,724.61	17,229.45	6,599.59	43,903.81	2,723.71	17,117.25	4,185.17	780.00
908.20	2,921.51	821.98	24,351.09	438.57	6,663.28	593.64	412.00
1,403.42	3,106.15	202.17	1,930.36	831.05	3,843.49	773.88	45.86
			46,965.86				
			4,821.76	3,474.80	5,293.19		2,853.85
18,791.81	75,051.38	26,676.17	292,651.37	22,194.82	103,308.59	17,245.90	8,466.71
1,328.79	22,472.36	4,016.22	200.00	3,603.07		20.00	777.93
			115,000.00		20,000.00	9,000.00	
567.93	14,815.52	4,419.54	12,870.12	1,377.97	12,070.76	2,456.54	1,339.35
	2,431.52	4,445.37	2,254.24		734.90	674.79	
3,481.50	23,425.28	5,852.69	110,118.03	2,331.77	49,717.81	19,637.58	
24,170.03	138,196.06	45,409.99	533,093.76	29,507.63	185,832.06	49,034.81	10,583.99
24,170.03	138,196.06	45,409.99	533,093.76	29,507.63	185,832.06	49,034.81	10,583.99
6,320.38	46,274.04	20,732.02		12,493.38	38,379.78	710.30	7,371.47
				14.58	2,905.96	7.04	650.61
			4,786.87		6,780.89	443.48	
43.00	780.07	129.78	45.40		854.90		15.00
6,363.38	47,054.11	20,861.80	4,832.27	12,507.96	48,921.53	1,160.82	8,037.08
3,481.50	23,425.28	5,852.69	110,118.03	2,331.77	49,717.81	19,637.58	
5,004.96	6,367.50	2,852.55	84,333.67	1,633.80	11,775.61	8,340.49	111.00
		899.31	13,751.04		1,472.74		
8,486.46	29,792.78	9,604.55	208,202.74	3,965.57	62,966.16	27,978.07	111.00
4,879.62	24,725.96	4,267.98	226,657.54	2,506.62	27,620.22	5,789.70	431.80
4,440.57	36,623.21	10,675.66	93,401.21	10,527.48	46,324.15	14,106.22	2,004.11
9,320.19	61,349.17	14,943.64	320,058.75	13,034.10	73,944.37	19,895.92	2,435.91
24,170.03	138,196.06	45,409.99	533,093.76	29,507.63	185,832.06	49,034.81	10,583.99
30.7	41.0	52.7	1.1	46.0	35.9	3.9	75.9

STATEMENT

Balance Sheets of Electrical Departments of

EASTERN ONTARIO
SYSTEM—Continued

Municipality.....	Cobourg	Colborne	Deseronto	Finch	Hastings
Population.....	5,780	1,016	1,395	400	795
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....					
Substation equipment.....	1,668.35		161.18		
Distribution system—overhead.....	67,318.46	9,580.67	9,713.54	7,478.81	14,920.93
Distribution system—underground					
Line transformers.....	17,836.83	1,003.49	1,702.57	1,393.35	1,771.80
Meters.....	25,447.48	1,555.07	4,807.54	1,641.83	3,090.78
Street light equipment, regular.....	8,566.08	1,321.40	432.60	435.62	1,232.99
Street light equipment, ornamental					
Miscellaneous construction expense	3,946.67	2,414.36	314.19	23.24	700.18
Steam or hydraulic plant.....					
Old plant.....					1,733.13
Total plant.....	124,783.87	15,874.99	17,131.62	10,972.85	23,449.81
Bank and cash balance.....	9,586.51	4,103.58	2,977.04	170.93	390.38
Securities and investments.....	22,580.31			3,000.00	5,500.00
Accounts receivable.....	9,297.38	791.79	957.68	735.43	721.12
Inventories.....	1,949.47	548.27	874.16		
Sinking fund on local debentures.....					
Equity in H-E.P.C. systems.....	17,572.59	1,202.92	3,295.20	2,424.71	1,555.89
Other assets.....					
Total assets.....	185,770.13	22,521.55	25,235.70	17,303.92	31,617.20
Deficit.....					
Total.....	185,770.13	22,521.55	25,235.70	17,303.92	31,617.20
LIABILITIES					
Debenture balance.....	95,643.64	11,762.36	6,971.41	5,116.60	18,384.80
Accounts payable.....		83.72		8.94	
Bank overdraft.....					
Other liabilities.....	4,028.08	202.00	236.12		114.00
Total liabilities.....	99,671.72	12,048.08	7,207.53	5,125.54	18,498.80
RESERVES					
For equity in H-E.P.C. systems....	17,572.59	1,202.92	3,295.20	2,424.71	1,555.89
For depreciation.....	8,869.12	676.00	1,676.92	1,528.23	1,913.35
Other reserves.....				60.00	
Total reserves.....	26,441.71	1,878.92	4,972.12	4,012.94	3,469.24
SURPLUS					
Debentures paid.....	10,349.86	432.23	8,028.59	1,883.40	2,615.20
Local sinking fund.....					
Operating surplus.....	49,306.84	8,162.32	5,027.46	6,282.04	7,033.96
Total surplus.....	59,656.70	8,594.55	13,056.05	8,165.44	9,649.16
Total liabilities, reserves and surplus	185,770.13	22,521.55	25,235.70	17,303.92	31,617.20
Percentage of net debt to total assets	59.3	56.5	32.9	34.4	61.6

“A”—Continued

Hydro Municipalities as at December 31, 1935

Havelock	Kemptville	Kingston	Lakefield	Lanark	Lancaster	Lindsay
1,119	1,272	23,678	1,335	623	609	6,979
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
572.90		198,850.79	3,137.97			10,556.68
19,560.23	20,368.88	51,600.29				3,176.56
		169,478.75	22,037.05	6,214.76	6,439.01	75,633.39
		177,817.73				
2,402.18	6,383.89	61,025.94	5,535.60	1,267.23	1,044.32	21,827.93
5,371.42	6,723.44	102,980.41	7,206.22	1,835.39	1,393.52	30,503.99
1,844.93	1,063.16	74,548.39	1,828.16	682.38	650.65	10,311.90
4,490.91	5,758.04	44,235.89	3,704.90	330.38	1,068.55	1,384.39
2,420.45		15,890.14				
			3,445.25			
36,663.02	40,297.41	896,428.33	46,895.15	10,330.14	10,596.05	153,394.84
2,184.03		14,862.90	1,515.28	1,664.40	1,600.40	10,839.93
9,000.00	20,000.00	292,175.00	8,000.00	1,982.05		45,000.00
528.95	4,645.32	48,841.75	887.35	537.08	2,676.55	13,324.86
	1,070.38	7,343.68				355.91
		17,287.66				
7,379.72	12,664.99		6,869.58	3,917.12	4,135.33	50,053.74
		1,000.00				
55,755.72	78,678.10	1,277,939.32	64,167.36	18,430.79	19,008.33	272,969.28
55,755.72	78,678.10	1,277,939.32	64,167.36	18,430.79	19,008.33	272,969.28
12,560.46	16,881.83	68,682.01	24,118.72	2,419.84	1,744.64	97,989.42
62.94	55.96				100.05	
	1,170.67					
		1,668.57	487.80		117.24	1,951.05
12,623.40	18,108.46	70,350.58	24,606.52	2,419.84	1,961.93	99,940.47
7,379.72	12,664.99		6,869.58	3,917.12	4,135.33	50,053.74
8,109.31	8,588.80	162,414.62	11,854.77	2,310.25	2,969.70	23,477.69
		250,199.58				
15,489.03	21,253.79	412,614.20	18,724.35	6,227.37	7,105.03	73,531.43
20,339.54	8,118.17	243,217.99	9,381.28	5,141.63	8,225.78	32,010.58
		17,287.66				
7,303.75	31,197.68	534,468.89	11,455.21	4,641.95	1,715.59	67,486.80
27,643.29	39,315.85	794,974.54	20,836.49	9,783.58	9,941.37	99,497.38
55,755.72	78,678.10	1,277,939.32	64,167.36	18,430.79	19,008.33	272,969.28
26.1	27.4	4.2	42.9	16.7	13.2	44.8

STATEMENT

Balance Sheets of Electrical Departments of

EASTERN ONTARIO
SYSTEM—Continued

Municipality.....	Madoc	Marmora	Martintown	Maxville
Population.....	1,088	984	P.V.	732
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	100.00		126.15	
Substation equipment.....				407.79
Distribution system—overhead.....	10,753.76	12,794.41	2,709.88	11,549.05
Distribution system—underground.....				
Line transformers.....	2,960.82	2,940.19	690.33	1,540.96
Meters.....	4,856.81	3,649.68	901.05	2,428.80
Street light equipment, regular.....	1,577.14	1,284.09	335.26	1,605.64
Street light equipment, ornamental.....				
Miscellaneous construction expense.....	289.17	2,000.91	764.13	2,387.26
Steam or hydraulic plant.....				
Old plant.....		573.62		
Total plant.....	20,537.70	23,242.90	5,526.80	19,919.50
Bank and cash balance.....	4,146.06	4,946.39	997.75	1,388.81
Securities and investments.....		459.22		
Accounts receivable.....	1,035.08	1,177.20	414.91	863.05
Inventories.....				
Sinking fund on local debentures.....				
Equity in H-E.P.C. systems.....	3,792.39	3,043.45	1,320.10	6,218.96
Other assets.....				
Total assets.....	29,511.23	32,869.16	8,259.56	28,390.32
Deficit.....			700.85	
Total.....	29,511.23	32,869.16	8,960.41	28,390.32
LIABILITIES				
Debenture balance.....		6,150.76		5,717.34
Accounts payable.....	109.31	667.28	34.60	
Bank overdraft.....				
Other liabilities.....	178.00	40.00		80.00
Total liabilities.....	287.31	6,858.04	34.60	5,797.34
RESERVES				
For equity in H-E.P.C. systems....	3,792.39	3,043.45	1,320.10	6,218.96
For depreciation.....	314.84	4,880.60	1,466.37	4,415.61
Other reserves.....			139.34	
Total reserves.....	4,107.23	7,924.05	2,925.81	10,634.57
SURPLUS				
Debentures paid.....	14,000.00	11,515.35	6,000.00	10,282.66
Local sinking fund.....				
Operating surplus.....	11,116.69	6,571.72		1,675.75
Total surplus.....	25,116.69	18,087.07	6,000.00	11,958.41
Total liabilities, reserves and surplus.....	29,511.23	32,869.16	8,960.41	28,390.32
Percentage of net debt to total assets.....	1.1	23.0	0.5	26.1

"A"—Continued

Hydro Municipalities as at December 31, 1935

Napanee	Norwood	Omamee	Oshawa	Ottawa	Perth	Peterborough
2,935	761	509	22,506	135,300	4,057	22,869
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
2,495.14			57,016.29	434,311.44	5,101.01	75,202.75
	457.53	360.32		710,407.30	5,779.83	103,492.41
42,239.65	23,178.85	11,429.71	188,260.88	750,789.23	46,186.32	223,224.19
				173,829.16		
8,794.33	4,409.49	2,879.19	44,993.99	325,149.13	23,609.47	99,933.91
16,874.51	4,822.00	2,508.72	102,818.65	281,062.37	21,668.43	95,185.64
3,963.21	1,848.52	679.66	15,899.04	118,171.34	4,157.07	54,822.58
2,636.38	4,039.32	1,540.92	6,821.32	34,864.64	5,328.32	53,533.59
	2,447.51		8,831.65		23,606.94	29,771.74
77,003.22	41,203.22	19,398.52	424,641.82	2,828,584.61	135,437.39	735,166.81
6,996.33	3,427.10	3,314.27	25,244.32	41,681.36	16,577.22	330.00
	10,000.00			38,000.00	42,438.83	
9,315.80	577.45	103.63	52,719.17	110,343.78	8,963.93	35,680.58
4,463.19			6,613.70	22,584.76	7,374.32	4,096.38
				519,918.37		273,254.87
21,610.94	3,591.92		269,708.94	82,616.11	43,159.70	164,175.37
	351.93		164.81		164.07	
119,389.48	59,151.62	22,816.42	779,092.76	3,643,728.99	254,115.46	1,212,704.01
119,389.48	59,151.62	22,816.42	779,092.76	3,643,728.99	254,115.46	1,212,704.01
22,149.70	25,520.15	2,343.53	225,943.75	709,312.20	47,627.13	527,920.00
			2,376.02	58,930.72	39.73	8.75
						11,147.88
584.44	351.93	86.84	22,642.00		2,235.51	203.00
22,734.14	25,872.08	2,430.37	250,961.77	768,242.92	49,902.37	539,279.63
21,610.94	3,591.92		269,708.94	82,616.11	43,159.70	164,175.37
4,840.98	10,600.06	6,973.43	56,485.07	1,026,363.40	39,933.66	114,209.60
2,956.26			17,740.95	166,283.53	300.00	9,749.56
29,408.18	14,191.98	6,973.43	343,934.96	1,275,263.04	83,393.36	288,134.53
47,850.30	11,579.85	9,656.47	84,056.25	270,687.80	60,772.87	
				519,918.37		273,254.87
19,396.86	7,507.71	3,756.15	100,139.78	809,616.86	60,046.86	112,034.98
67,247.16	19,087.56	13,412.62	184,196.03	1,600,223.03	120,819.73	385,289.85
119,389.48	59,151.62	22,816.42	779,092.76	3,643,728.99	254,115.46	1,212,704.01
23.2	46.4	10.7	49.2	8.2	*23.7	34.3

STATEMENT

Balance Sheets of Electrical Departments of

EASTERN ONTARIO
SYSTEM—Continued

Municipality.....	Pictou	Port Hope	Prescott	Richmond	Russell
Population.....	2,922	4,433	2,958	425	P.V.
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	10,925.37	6,935.31	2,761.54		
Substation equipment.....	2,004.66				
Distribution system—overhead.....	39,314.07	48,573.37	39,278.98	6,307.97	7,769.63
Distribution system—underground					
Line transformers.....	12,652.58	12,332.42	13,901.19	844.03	1,382.48
Meters.....	17,563.47	19,884.12	18,708.64	1,236.59	1,590.59
Street light equipment, regular.....	4,275.67	2,701.68	2,080.97	173.98	492.87
Street light equipment, ornamental					
Miscellaneous construction expense	3,417.87	1,557.80	538.65	642.54	1,288.72
Steam or hydraulic plant.....					
Old plant.....	1,105.28				
Total plant.....	91,258.97	91,984.70	77,269.97	9,205.11	12,524.29
Bank and cash balance.....	4,022.95	3,281.71	2,865.74	357.54	298.47
Securities and investments.....	14,000.00		3,000.00		1,500.00
Accounts receivable.....	7,399.53	7,547.94	4,919.88	210.32	1,511.34
Inventories.....	4,023.16	1,401.82			
Sinking fund on local debentures.....					
Equity in H-E.P.C. systems.....	29,121.42	27,185.89	31,304.28	1,413.72	3,581.14
Other assets.....					
Total assets.....	149,826.03	131,402.06	119,359.87	11,186.69	19,415.24
Deficit.....					
Total.....	149,826.03	131,402.06	119,359.87	11,186.69	19,415.24
LIABILITIES					
Debenture balance.....		3,240.54		5,016.95	6,307.43
Accounts payable.....	2,664.13		819.28	2.75	11.65
Bank overdraft.....					
Other liabilities.....	1,557.00	3,678.53	205.51	60.25	
Total liabilities.....	4,221.13	6,919.07	1,024.79	5,079.95	6,319.08
RESERVES					
For equity in H-E.P.C. systems.....	29,121.42	27,185.89	31,304.28	1,413.72	3,581.14
For depreciation.....	15,067.62	8,776.12	35,676.54	1,252.92	2,038.68
Other reserves.....	1,886.53			52.84	
Total reserves.....	45,575.57	35,962.01	66,980.82	2,719.48	5,619.82
SURPLUS					
Debentures paid.....	5,730.32	75,759.46	12,170.99	1,483.05	3,692.57
Local sinking fund.....					
Operating surplus.....	94,299.01	12,761.52	39,183.27	1,904.21	3,783.77
Total surplus.....	100,029.33	88,520.98	51,354.26	3,387.26	7,476.34
Total liabilities, reserves and surplus.....	149,826.03	131,402.06	119,359.87	11,186.69	19,415.24
Percentage of net debt to total assets.....	3.5	6.6	0.1	51.9	39.9

“A”—Continued

Hydro Municipalities as at December 31, 1935

Smiths Falls	Stirling	Trenton	Tweed	Warkworth	Wellington	Westport	Whitby
7,517	935	6,241	1,247	P.V.	916	704	3,732
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
19,528.85	8,410.00	5,114.41			200.00		6,394.26
4,745.66	7,042.12	23,080.03			499.80		34,200.41
87,402.74	5,438.13	94,210.20	10,257.00	5,520.02	14,660.44	7,207.23	45,122.26
26,524.16	3,711.12	21,606.99	3,052.41	716.39	3,716.70	1,015.48	11,005.79
33,164.62	4,963.73	26,716.30	4,831.03	1,577.32	5,286.84	1,353.44	15,259.11
9,260.13	2,689.37	13,537.82	1,035.28	309.88	1,172.27	526.70	4,568.27
5,941.80	698.37	5,125.11	314.06	609.19	795.70	1,298.41	6,423.59
37,286.49							
21,463.48				3,618.02	2,477.92	1,713.00	1,340.13
245,317.93	32,952.84	189,390.86	19,489.78	12,350.82	28,809.67	13,114.26	124,313.82
6,912.32	4,588.77	7,718.26	4,262.06	576.53	10.00	165.25	9,079.25
48,000.00	3,766.42	3,766.42		2,500.00	5,000.00	2,500.00	
12,705.83	2,185.48	16,944.93	2,068.72	537.09	1,143.70	701.98	11,725.51
605.56	1,133.52	6,058.40	1,199.75				194.20
64,321.31	4,560.18	31,685.86	4,201.66	2,114.15	5,563.38	1,911.10	28,308.61
		377.82					
377,862.95	49,187.21	252,176.13	31,221.97	18,078.59	40,526.75	18,392.59	173,621.39
377,862.95	49,187.21	252,176.13	31,221.97	18,078.59	40,526.75	18,392.59	173,621.39
42,586.83		107,538.24	11,672.90	8,916.87	9,660.81	12,397.17	31,888.75
76.53					48.29		204.21
5.33	196.13	3,203.97	267.69		2,231.28		893.08
					5.25		
42,668.69	196.13	110,742.21	11,940.59	8,916.87	11,945.63	12,397.17	32,986.04
64,321.31	4,560.18	31,685.86	4,201.66	2,114.15	5,563.38	1,911.10	28,308.61
70,692.40	6,397.91	14,576.25	2,896.13	1,627.32	6,532.54	674.56	21,986.81
750.00		341.02					
135,763.71	10,958.09	46,603.13	7,097.79	3,741.47	12,095.92	2,585.66	50,295.42
155,038.17	10,000.00	57,461.76	7,327.10	2,083.13	7,339.19	2,602.83	44,723.75
44,392.38	28,032.99	37,369.03	4,856.49	3,337.12	9,146.01	806.93	45,616.18
199,430.55	38,032.99	94,830.79	12,183.59	5,420.25	16,485.20	3,409.76	90,339.93
377,862.95	49,187.21	252,176.13	31,221.97	18,078.59	40,526.75	18,392.59	173,621.39
13.6	0.4	50.2	44.2	55.7	34.2	75.2	22.7

STATEMENT

Balance Sheets of Electrical Departments of

EASTERN ONTARIO
SYSTEM—Concluded

Municipality.....	Williamsburg	Winchester	EASTERN ONTARIO SYSTEM SUMMARY
Population.....	P.V.	943	
ASSETS	\$ c.	\$ c.	\$ c.
Lands and buildings.....		299.85	942,553.21
Substation equipment.....			955,878.29
Distribution system—overhead.....	3,335.85	9,592.71	2,559,697.02
Distribution system—underground.....			351,646.89
Line transformers.....	1,959.82	2,881.28	866,067.48
Meters.....	2,283.59	5,020.66	1,052,665.44
Street light equipment, regular.....	152.11	719.87	409,349.01
Street light equipment, ornamental.....			
Miscellaneous construction expense.....	353.98	549.67	235,145.88
Steam or hydraulic plant.....			100,142.49
Old plant.....		1,100.00	127,268.16
Plant not distributed.....			
Total plant.....	8,085.35	20,164.04	7,600,413.87
Bank and cash balance.....	3,946.74	1,959.05	260,601.79
Securities and investments.....	9,500.00	7,000.00	750,901.83
Accounts receivable.....	2,232.95	1,815.41	483,902.58
Inventories.....			89,323.03
Sinking fund on local debentures.....			810,460.90
Equity in H-E.P.C. systems.....	3,584.23	13,105.53	1,292,442.14
Other assets.....			2,058.63
Total assets.....	27,349.27	44,044.03	11,290,104.77
Deficit.....			1,054.44
Total.....	27,349.27	44,044.03	11,291,159.21
LIABILITIES			
Debenture balance.....		5,262.12	2,346,605.91
Accounts payable.....	938.04	133.89	74,870.39
Bank overdraft.....			26,561.07
Other liabilities.....	526.52	10.00	56,686.89
Total liabilities.....	1,464.56	5,406.01	2,504,724.26
RESERVES			
For equity in H-E.P.C. systems.....	3,584.23	13,105.53	1,292,442.14
For depreciation.....	2,173.72	7,169.88	1,870,081.73
Other reserves.....	523.90		468,543.56
Total reserves.....	6,281.85	20,275.41	3,631,067.43
SURPLUS			
Debentures paid.....	2,750.00	5,387.88	1,783,333.64
Local sinking fund.....			810,460.90
Operating surplus.....	16,852.86	12,974.73	2,561,572.98
Total surplus.....	19,602.86	18,362.61	5,155,367.52
Total liabilities, reserves and surplus.....	27,349.27	44,044.03	11,291,159.21
Percentage of net debt to total assets.....	6.2	17.5	18.4

"A"—Concluded

Hydro Municipalities as at December 31, 1935

THUNDER BAY
SYSTEM

Fort William 24,492	Nipigon	Port Arthur 19,459	THUNDER BAY SYSTEM SUMMARY	ALL SYSTEMS GRAND SUMMARY
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
48,927.62	215.03	405,816.74	454,959.39	10,381,191.41
123,548.71		240,640.36	364,189.07	22,072,115.14
148,424.10	13,743.83	453,239.82	615,407.75	21,650,567.75
65,900.50	2,594.47	68,489.45	136,984.42	6,068,724.47
63,447.00	2,573.77	85,331.71	151,352.48	9,678,578.13
34,770.49	606.24	77,932.25	113,308.98	8,767,892.27
7,050.58	133.53	49,734.22	56,918.33	2,420,238.81
293,762.46		324,027.37	324,027.37	1,486,302.46
			293,762.46	3,616,986.74
				496,050.14
				4,917,917.43
				200,000.00
785,831.46	19,866.87	1,705,211.92	2,510,910.25	91,756,564.75
24,773.23	3,826.27	75,932.84	104,532.34	2,927,485.90
57,200.00		706,044.69	763,244.69	2,593,633.59
28,123.80	519.92	87,425.70	116,069.42	4,363,297.95
1,860.37		15,536.99	17,397.36	1,212,063.37
82,996.51		161,897.37	244,893.88	9,086,152.46
331,225.77	2,149.78	1,113,671.63	1,447,047.18	32,609,979.83
		611.88	611.88	301,317.86
1,312,011.14	26,362.84	3,866,333.02	5,204,707.00	144,850,495.71
				31,236.87
1,312,011.14	26,362.84	3,866,333.02	5,204,707.00	144,881,732.58
300,000.00	5,930.00	253,014.57	558,944.57	36,667,080.62
23,058.04		63,683.78	86,741.82	2,931,934.14
12,028.93				72,084.93
			12,028.93	3,462,906.61
335,086.97	5,930.00	316,698.35	657,715.32	43,134,006.30
331,225.77	2,149.78	1,113,671.63	1,447,047.18	32,609,979.83
91,667.39	4,009.00	465,440.01	561,116.40	18,410,891.84
15,791.51		67,175.19	82,966.70	2,459,074.98
438,684.67	6,158.78	1,646,286.83	2,091,130.28	53,479,946.65
367,650.00	4,070.00	389,085.43	760,805.43	23,481,974.13
82,996.51		161,897.37	244,893.88	9,086,152.46
87,592.99	10,204.06	1,352,365.04	1,450,162.09	15,699,653.04
538,239.50	14,274.06	1,903,347.84	2,455,861.40	48,267,779.63
1,312,011.14	26,362.84	3,866,333.02	5,204,707.00	144,881,732.58
28.1	24.5	5.9	11.7	32.0

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA
SYSTEM

Municipality.....	Acton	Agincourt	Ailsa Craig 468	Alvinston	Amherst- burg 3,044
Population.....	1,808	P.V.		620	
EARNINGS -	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	10,548.87	4,748.24	2,620.29	4,169.53	19,282.75
Commercial light service.....	4,333.27	1,173.81	1,430.57	2,499.23	6,533.15
Commercial power service.....	24,652.14	1,511.26	1,105.05	625.61	5,113.06
Municipal power.....	664.44				
Street lighting.....	1,866.90	793.00	628.00	1,854.00	2,351.69
Merchandise.....	37.62				
Miscellaneous.....	493.00	67.78	273.63	296.58	458.33
Total earnings.....	42,596.24	8,294.09	6,057.54	9,444.95	33,738.98
EXPENSES					
Power purchased.....	33,670.43	5,301.40	4,014.67	5,605.34	22,414.57
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	2,212.91	136.73	100.05	37.93	1,558.74
Line transformer maintenance.....	27.72	11.69	169.86		3.84
Meter maintenance.....	402.12	28.37	200.10	40.70	357.40
Consumers' premises expenses.....					151.11
Street lighting, operation and main- tenance.....	284.73	75.04	84.95	124.61	501.23
Promotion of business.....	107.35				
Billing and collecting.....	654.95		232.00	315.10	2,137.13
General office, salaries and expenses..	768.70	385.79	84.72	166.54	1,295.27
Undistributed expenses.....	127.87		29.50	23.88	145.48
Truck operation and maintenance.....	117.05				352.78
Interest.....		113.88	5.39	638.79	1,310.14
Sinking fund and principal payments on debentures.....		642.48		1,166.87	1,452.45
Depreciation.....	1,430.00	388.00	441.00	638.00	1,977.00
Other reserves.....				75.00	30.92
Total operating costs and fixed charges.....	39,803.83	7,083.38	5,362.24	8,832.76	33,688.06
Net surplus.....	2,792.41	1,210.71	695.30	612.19	50.92
Net loss.....					
NUMBER OF CONSUMERS					
Domestic service.....	488	147	131	157	613
Commercial light service.....	87	27	38	49	114
Power service.....	16	3	2	2	15
Total.....	591	177	171	208	742

“B”

Hydro Municipalities for Year Ended December 31, 1935

Ancaster Twp.	Arkona 391	Aylmer 1,985	Ayr 769	Baden P.V.	Beachville P.V.	Belle River 742	Blenheim 1,664
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
9,131.31	2,797.13	10,313.74	5,147.56	3,953.20	2,925.29	3,465.42	8,856.50
1,700.52	1,730.80	6,896.33	1,799.52	1,568.12	623.12	1,707.74	6,413.09
388.28	173.72	2,486.94	221.22	5,450.74	9,723.51	64.28	2,866.56
311.11		915.30				1,119.36	1,682.35
1,135.00	996.63	2,367.00	1,028.00	690.00	517.00	930.00	2,512.00
		1,010.24	7.11	149.63	197.66	169.56	112.72
12,666.22	5,698.28	23,989.55	8,203.41	11,811.69	13,986.58	7,456.36	22,443.22
8,054.83	3,367.90	15,972.74	5,414.88	8,631.77	11,910.22	4,831.96	12,865.73
933.32	144.89	1,429.28	612.62	58.30	60.84	234.46	954.88
21.80		43.90	12.74	10.80		33.06	171.55
264.26	19.90	76.87	79.65	8.98	36.15	117.07	405.87
156.52	32.76	198.83	126.30	152.39	27.90	119.79	376.71
830.00	159.87	705.22	376.21	398.40	257.03	333.19	230.37
716.84	69.93	777.72	53.70	161.85	172.13	244.60	750.55
52.60	21.80	46.79	38.16	33.74	4.35	27.36	1,049.21
498.96	568.20	1,081.88	330.43	94.11	111.61	302.49	7.75
327.08	626.87	1,426.04	385.48	231.15	246.18	438.64	484.38
920.00	336.00	1,460.00	582.00	395.00	639.00	717.00	535.78
		300.00					1,441.00
12,776.21	5,348.12	23,519.27	8,012.17	10,176.49	13,465.41	7,399.62	50.90
	350.16	470.28	191.24	1,635.20	521.17	56.74	19,469.92
109.99							2,973.30
277	100	650	203	137	135	212	504
39	35	141	44	35	22	40	122
5	2	10	4	3	4	2	9
321	137	801	251	175	161	254	635

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality.....	Blyth	Bolton	Bothwell	Brampton	Brantford
Population.....	615	560	698	5,487	30,691
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	3,602.73	3,750.97	2,839.53	38,041.69	184,323.47
Commercial light service.....	1,675.98	1,040.48	1,344.14	16,341.54	67,862.22
Commercial power service.....	1,358.56	2,151.70	672.32	16,699.71	206,226.45
Municipal power.....			146.61	2,401.86	24,415.57
Street lighting.....	1,300.00	1,113.96	1,293.00	5,490.50	32,653.90
Merchandise.....					
Miscellaneous.....	4.76	41.21	591.69	1,469.77	4,996.30
Total earnings.....	7,942.03	8,098.32	6,887.29	80,445.07	*520,477.91
EXPENSES					
Power purchased.....	4,549.66	4,770.55	4,442.80	63,770.19	358,323.22
Substation operation.....					7,167.07
Substation maintenance.....				101.34	1,638.64
Distribution system, operation and maintenance.....	360.75	308.17	74.30	2,479.80	13,617.94
Line transformer maintenance.....	13.06	25.50		10.06	657.98
Meter maintenance.....	85.14	16.35	2.66	492.78	4,587.86
Consumers' premises expenses.....					832.23
Street lighting, operation and maintenance.....	98.18	98.45	404.34	267.58	4,279.69
Promotion of business.....			5.45	108.64	277.03
Billing and collecting.....	149.11		250.47	1,351.05	10,873.30
General office, salaries and expenses..	29.00	400.13	105.65	1,607.02	10,437.14
Undistributed expenses.....	74.81		32.20	188.78	2,622.94
Truck operation and maintenance.....				286.04	2,261.73
Interest.....	434.85	275.92	171.92	492.74	14,504.67
Sinking fund and principal payments on debentures.....	1,096.31	593.11	191.35	1,990.54	54,853.58
Depreciation.....	471.00	582.00	579.00	4,657.00	23,875.00
Other reserves.....			25.02	300.00	3,000.00
Total operating costs and fixed charges.....	7,361.87	7,070.18	6,285.16	78,103.56	*513,810.02
Net surplus.....	580.16	1,028.14	602.13	2,341.51	6,667.89
Net loss.....					
NUMBER OF CONSUMERS					
Domestic service.....	165	158	172	1,389	7,524
Commercial light service.....	52	35	47	237	1,139
Power service.....	6	9	5	50	223
Total.....	223	202	224	1,676	8,886

*Includes earnings and expenses from other plants

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1935

Brantford Twp.	Bridgeport P.V.	Brigden P.V.	Brussels 786	Burford P.V.	Burgess- ville P.V.	Caledonia 1,300	Campbell- ville P.V.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
19,967.05	3,910.43	2,197.19	5,053.77	3,999.13	1,105.35	5,391.64	1,375.59
4,005.53	925.03	1,859.71	2,569.70	1,060.45	570.43	3,942.37	460.34
2,918.00	458.75	817.73	729.72	1,102.58	.....	1,809.15	.....
4,084.67	654.00	750.50	1,286.00	670.08	312.00	1,704.00	480.00
605.72	11.13	139.35	169.30	243.69	.....	390.31	.....
31,580.97	5,959.34	5,764.48	9,808.49	7,075.93	1,987.78	13,237.47	2,315.93
17,779.83	3,845.62	3,732.90	5,284.19	4,736.31	1,628.80	7,879.66	1,549.40
1,006.07	9.94	365.54	385.27	145.26	30.82	1,149.46	6.96
125.25	0.87	.....	.....	.....	.....	50.47	.....
525.37	3.15	110.10	188.24	75.35	34.88	266.05	.....
2.35	.....	.....	.....	.....	.....	.....	.....
846.59	79.22	86.18	153.42	111.56	30.94	243.54	25.03
19.50	.....	.....	.....	.....	.....	45.50	.....
1,861.85	244.79	295.30	.....	430.06	63.00	528.80	.....
1,805.66	84.86	105.76	518.49	113.88	36.38	244.44	101.01
10.06	21.89	15.00	45.77	17.37	0.65	34.26	.....
1,054.35	567.36	34.06	671.93	.....	33.24	91.53	146.54
3,723.41	638.32	300.73	1,085.35	.....	290.94	270.19	288.99
2,535.00	547.00	374.00	613.00	500.00	218.00	772.00	123.00
50.00	.....	.....	.....	.....	.....	.....	.....
31,345.29	6,043.02	5,419.57	8,945.66	6,129.79	2,367.65	11,575.90	2,240.93
235.68	.....	344.91	862.83	946.14	.....	1,661.57	75.00
.....	83.68	.....	.....	.....	379.87	.....	.....
831	129	110	218	186	51	355	44
47	20	43	64	32	18	90	9
4	5	5	2	2	.....	6	.....
882	154	158	284	220	69	451	53

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality.....	Cayuga	Chatham	Chippawa	Clifford	Clinton
Population.....	668	16,284	1,143	423	1,863
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	3,620.95	83,669.83	7,619.61	2,435.37	12,002.21
Commercial light service.....	3,052.74	69,360.25	1,395.02	1,654.39	6,119.47
Commercial power service.....	1,462.73	52,258.94	287.43	144.61	4,406.11
Municipal power.....		6,602.13	875.03		875.01
Street lighting.....	1,440.00	19,215.26	1,312.62	868.00	2,008.44
Merchandise.....		185.61			263.44
Miscellaneous.....	69.58	3,151.34		5.79	1,071.85
Total earnings.....	9,646.00	234,443.36	11,489.71	5,108.16	26,746.53
EXPENSES					
Power purchased.....	4,771.76	131,419.40	6,260.11	3,172.39	16,290.20
Substation operation.....		7,064.90			100.00
Substation maintenance.....		2,268.96			
Distribution system, operation and maintenance.....	321.18	2,261.79	1,186.31	26.90	594.42
Line transformer maintenance.....	11.40	410.87			11.70
Meter maintenance.....	68.95	4,670.85	252.00		282.48
Consumers' premises expenses.....		269.86			
Street lighting, operation and maintenance.....	153.89	4,179.39	441.64	72.90	235.23
Promotion of business.....		1,765.97			
Billing and collecting.....	512.25	10,378.57	435.08	283.10	769.00
General office, salaries and expenses.....	308.08	13,488.29	420.10	87.38	2,073.26
Undistributed expenses.....	47.58	3,329.24	85.95		135.39
Truck operation and maintenance.....		1,950.89			148.38
Interest.....	702.98	12,856.15	328.22	361.79	1,929.33
Sinking fund and principal payments on debentures.....	979.77	16,116.14	847.98	188.65	1,305.66
Depreciation.....	571.00	16,383.41	935.00	304.00	2,019.00
Other reserves.....		3,080.08			
Total operating costs and fixed charges.....	8,448.84	231,894.76	11,192.39	4,497.11	25,894.05
Net surplus.....	1,197.16	2,548.60	297.32	611.05	852.48
Net loss.....					
NUMBER OF CONSUMERS					
Domestic service.....	131	3,774	304	103	507
Commercial light service.....	56	733	40	39	127
Power service.....	5	106	5	1	14
Total.....	192	4,613	349	143	648

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1935

Comber	Cottam	Courtright	Dashwood	Delaware	Dorchester	Drayton	Dresden
P.V.	P.V.	332	P.V.	P.V.	P.V.	569	1,479
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
2,110.24	2,368.83	1,472.47	1,403.66	1,541.91	2,254.65	3,010.51	6,274.99
2,204.54	1,194.80	963.86	907.14	584.16	886.55	1,934.63	5,092.41
3,346.45	455.47	29.33	807.59		515.37	1,221.37	4,048.09
		777.04					477.04
621.00	480.00	774.00	450.97	264.00	650.00	825.00	1,856.76
63.27	135.00	51.08	104.05	199.30	143.56	180.43	310.80
8,345.50	4,634.10	4,067.78	3,673.41	2,589.37	4,450.13	7,171.94	18,060.09
5,384.87	2,468.59	2,349.75	2,598.99	1,646.63	3,276.69	4,732.71	11,261.68
243.61	207.45	11.11	54.06	52.63	21.80	231.98	1,646.39
56.46							
105.77	44.28	30.60	99.70		6.26		150.75
69.23	58.31	48.70	37.50	35.00	43.14	111.93	569.23
							233.05
267.15		146.05	164.41	119.04	153.35		689.66
325.65	406.11	15.62	5.43	71.22	20.99	293.69	789.08
30.73		31.37	20.93		1.50		64.66
							220.36
68.17	359.02	186.64	109.77	102.71	119.36	366.58	
162.87	396.14	666.81	124.17	159.77	163.52	323.58	
463.00	376.00	234.00	220.00	159.00	374.00	558.00	840.00
							75.00
7,177.51	4,315.90	3,720.65	3,434.96	2,346.00	4,180.61	6,618.47	16,539.86
1,167.99	318.20	347.13	238.45	243.37	269.52	553.47	1,520.23
93	104	58	65	55	129	155	373
48	25	24	25	19	28	63	114
3	1	3	1		2	3	10
144	130	85	91	74	159	221	497

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality.....	Drumbo	Dublin	Dundas	Dunnville	Dutton
Population.....	P.V.	P.V.	4,983	3,746	780
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	1,945.04	1,296.91	21,079.70	13,408.42	3,411.12
Commercial light service.....	787.39	773.47	10,709.72	11,880.45	2,466.43
Commercial power service.....	660.24	337.26	20,208.25	12,594.68	3,546.38
Municipal power.....			510.46	2,418.77	
Street lighting.....	522.50	750.00	5,508.00	3,958.44	1,021.44
Merchandise.....				29.82	
Miscellaneous.....	56.69		174.17	641.90	291.75
Total earnings.....	3,971.86	3,157.64	58,190.30	44,932.48	10,737.12
EXPENSES					
Power purchased.....	2,233.09	1,948.92	38,742.66	24,473.59	7,454.45
Substation operation.....			247.07	339.65	
Substation maintenance.....					
Distribution system, operation and maintenance.....	143.11	20.91	4,961.59	1,804.73	336.89
Line transformer maintenance.....			274.82		25.82
Meter maintenance.....	56.72	88.41	831.89	534.84	65.35
Consumers' premises expenses.....					
Street lighting, operation and maintenance.....	71.03	100.69	564.31	401.64	197.86
Promotion of business.....					
Billing and collecting.....	182.29	115.41	1,141.84	793.30	306.11
General office, salaries and expenses..	95.75	54.80	1,613.22	1,256.27	170.50
Undistributed expenses.....	1.36	16.08	248.07	90.24	23.60
Truck operation and maintenance.....			611.70	246.19	
Interest.....	113.16	95.85	1,252.07	2,644.69	263.87
Sinking fund and principal payments on debentures.....	179.71	481.87	2,309.38	2,785.04	382.71
Depreciation.....	295.00	293.00	4,282.00	3,328.00	579.00
Other reserves.....					29.38
Total operating costs and fixed charges.....	3,371.22	3,215.94	57,080.62	38,698.18	9,835.54
Net surplus.....	600.64		1,109.68	6,234.30	901.58
Net loss.....		58.30			
NUMBER OF CONSUMERS					
Domestic service.....	81	43	1,195	826	208
Commercial light service.....	24	25	166	208	66
Power service.....	1	2	37	32	8
Total.....	106	70	1,398	1,066	282

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1935

East Windsor 14,606	East York Twp.	Elmira 2,650	Elora 1,133	Embro 408	Erieau 281	Erie Beach 23	Essex 1,689
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
75,423.80	184,387.47	16,079.24	7,270.54	2,717.14	3,805.08	1,606.51	7,706.45
20,050.03	25,403.94	6,397.95	3,570.61	1,677.60	1,455.68	324.02	4,847.22
46,697.24	30,231.88	5,084.45	2,995.07	1,323.78	762.19		4,366.26
.....	5,162.27	871.59					1,571.32
8,419.92	19,497.90	1,834.00	1,675.16	678.00	378.00		3,091.92
.....			65.24				
.....	349.90	744.79	418.91	78.54	12.55	10.87	341.99
150,590.99	265,033.36	31,012.02	15,995.53	6,475.06	6,413.50	1,941.40	21,925.16
86,779.32	169,925.60	20,772.04	9,348.20	3,950.88	3,293.02	764.49	12,614.71
.....	14.26						
7,214.23	8,332.74	1,443.69	2,302.23	175.04	196.00	161.72	181.77
324.18	1,329.43	49.87	1.00		16.85		6.80
2,486.82	4,435.82	273.25	41.84	26.37	97.65	57.32	33.75
4,220.03	1,055.51			38.09	0.25		3.55
3,486.56	3,384.28	100.20	144.31	143.79	39.46		310.49
1,530.86		55.56	30.00	22.00			85.61
10,125.50	12,296.80	622.93	718.27	352.10	368.26	122.15	822.86
4,450.37	11,345.09	997.59	425.30	199.25	168.12	3.74	1,586.64
2,829.39	1,693.56	80.63	250.42	2.06			100.02
3,882.08	509.07	178.74	87.77				307.45
3,602.96	14,436.59	1,366.48	165.31	171.80	251.75	147.00	1,018.08
7,496.39	15,671.35	1,753.84	809.28	488.62	365.13	142.95	530.59
8,395.00	13,550.00	2,110.00	1,129.00	513.00	355.00	81.00	1,782.00
.....	230.00				15.00		92.45
146,823.69	258,210.10	29,804.82	15,452.93	6,083.00	5,166.49	1,480.37	19,476.77
3,767.30	6,823.26	1,207.20	542.60	392.06	1,247.01	461.03	2,448.39
2,995	9,229	509	312	99	166	68	435
274	405	114	72	47	12	3	116
32	31	20	2	1	2		17
3,301	9,665	643	386	147	180	71	568

STATEMENT

Detailed Operating Reports of Electrical Departments of

**NIAGARA
SYSTEM—Continued**

Municipality.....	Etobicoke Twp.	Exeter	Fergus	Fonthill	Forest
Population.....		1,597	2,520	808	1,496
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	118,138.64	11,860.42	16,574.72	5,091.36	10,588.91
Commercial light service.....	17,000.43	5,384.47	6,860.23	1,293.81	5,397.78
Commercial power service.....	14,503.56	3,691.59	14,442.79	326.82	3,941.35
Municipal power.....	3,910.90	553.57	817.24	235.83	977.66
Street lighting.....	13,437.00	2,231.18	2,773.28	1,065.00	2,321.00
Merchandise.....		336.07			
Miscellaneous.....	642.53	847.10	4.50		644.82
Total earnings.....	167,633.06	24,904.40	41,472.76	8,012.82	23,871.52
EXPENSES					
Power purchased.....	106,291.25	14,282.07	29,015.00	4,056.13	14,069.11
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	6,691.55	578.35	1,296.43	215.69	1,874.29
Line transformer maintenance.....	595.12	19.42	23.70		
Meter maintenance.....	1,161.21	136.63	474.99		187.61
Consumers' premises expenses.....				1.40	
Street lighting, operation and main- tenance.....	1,288.41	197.24	375.58	167.03	258.98
Promotion of business.....			2.41		1.59
Billing and collecting.....	4,940.03	706.29	658.70	565.73	663.89
General office, salaries and expenses..	4,469.36	1,505.65	669.12	90.88	1,826.43
Undistributed expenses.....	1,651.29	57.09	169.26	9.98	161.23
Truck operation and maintenance.....	743.19	14.94	393.78		162.82
Interest.....	10,738.89	366.05	911.02	924.22	210.99
Sinking fund and principal payments on debentures.....	12,832.31	1,058.92	1,155.14	1,133.94	1,165.14
Depreciation.....	11,422.00	1,467.00	1,644.00	504.00	1,444.00
Other reserves.....					
Total operating costs and fixed charges.....	162,824.61	20,389.65	36,789.13	7,669.00	22,026.08
Net surplus.....	4,808.45	4,514.75	4,683.63	343.82	1,845.44
Net loss.....					
NUMBER OF CONSUMERS					
Domestic service.....	3,542	445	639	201	460
Commercial light service.....	228	114	115	29	112
Power service.....	30	8	14	4	21
Total.....	3,800	567	768	234	593

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1935

Galt 13,715	George- town 2,203	Glencoe 833	Goderich 4,383	Granton P.V.	Guelph 20,882	Hagers- ville 1,399	Hamilton 154,276
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
93,965.69	14,844.88	5,414.90	30,719.64	1,911.17	112,426.09	5,033.46	945,673.01
41,721.12	5,832.22	3,213.47	14,206.25	1,179.97	54,545.35	4,611.55	388,008.63
89,203.83	22,469.59	1,689.64	12,202.66	733.74	111,174.44	9,991.60	1,723,118.74
4,565.11	495.98	1,366.24	3,200.09		14,873.30		45,308.07
20,621.00	2,153.20	1,948.00	3,809.50	370.00	18,622.02	2,026.50	123,956.32
417.90		29.85					
3,095.88	340.77	52.11	185.25	194.89	1,353.49	742.59	61,296.37
253,590.53	46,136.64	13,714.21	64,323.39	4,389.77	312,994.69	22,405.70	3,287,361.14
159,510.33	35,130.22	8,457.95	41,139.36	3,247.14	228,247.21	17,257.33	2,279,280.32
4,179.34			1,619.72		3,344.84		57,468.58
186.36							3,283.66
3,319.24	1,204.57	233.61	2,199.22	8.18	7,332.59	1,754.12	27,132.61
631.31	117.62		48.00		726.74	107.75	2,737.78
2,745.13	292.20	37.31	515.54	18.36	4,039.33	217.48	19,675.75
	26.65				452.39		11,917.01
2,443.75	369.20	337.05	468.09	36.28	6,470.72	338.56	13,632.97
1,182.10			94.24		1,265.14		15,334.02
3,991.70	1,568.17	394.95	2,000.24	189.07	6,919.82	668.23	51,834.75
8,157.18	899.05	401.21	1,796.57	59.33	11,660.68	679.13	42,444.06
2,038.93	176.58	57.80	146.47	16.76	964.83	81.57	38,946.84
394.74	650.12		135.02		1,146.36	420.35	
13,333.82	121.46	413.85	2,510.29	127.14	2,487.50	140.21	194,333.66
19,880.77	860.02	1,092.39	2,464.81	133.91	1,103.55	251.60	295,724.88
23,972.00	2,129.00	937.00	5,550.00	244.00	16,250.00	1,162.00	133,272.65
		225.00			594.39		
245,966.70	43,544.86	12,588.12	60,687.57	4,080.17	293,006.09	23,078.33	3,187,019.54
7,623.83	2,591.78	1,126.09	3,635.82	309.60	19,988.60		100,341.60
						672.63	
3,626	680	216	1,175	81	5,101	340	37,590
489	134	83	223	34	789	108	5,039
112	27	6	21	1	136	14	1,270
4,227	841	305	1,419	116	6,026	462	43,899

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality.....	Harriston	Harrow	Hensall	Hespeler	Highgate
Population.....	1,329	934	697	2,853	334
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	7,846.54	7,703.30	4,217.34	16,339.05	1,813.45
Commercial light service.....	4,847.39	3,586.11	1,867.18	5,548.43	937.39
Commercial power service.....	5,389.73	3,625.24	2,571.66	42,157.87	1,195.49
Municipal power.....	468.74		35.18	1,319.67	38.14
Street lighting.....	1,551.00	1,299.00	996.00	3,107.00	567.00
Merchandise.....					
Miscellaneous.....	11.82	26.99	291.69	588.74	103.38
Total earnings.....	20,115.22	16,240.64	9,979.05	69,060.76	4,654.85
EXPENSES					
Power purchased.....	11,601.97	12,088.14	6,609.01	51,092.89	2,883.13
Substation operation.....				378.57	
Substation maintenance.....					
Distribution system, operation and maintenance.....	1,405.64	136.58	360.94	2,593.40	15.71
Line transformer maintenance.....				119.70	
Meter maintenance.....	81.26	101.57	4.70	235.23	119.88
Consumers' premises expenses.....		29.37			
Street lighting, operation and maintenance.....	261.68	165.19	124.35	353.77	50.20
Promotion of business.....					
Billing and collecting.....	853.39	555.53	290.43	804.52	327.86
General office, salaries and expenses..	152.78	488.71	492.16	1,284.39	132.40
Undistributed expenses.....	40.26	17.20	67.17	497.06	16.51
Truck operation and maintenance.....	72.04			411.64	
Interest.....	471.93	461.97	378.74	1,747.81	
Sinking fund and principal payments on debentures.....	799.32	584.19	492.22	1,984.46	
Depreciation.....	1,037.00	761.00	676.00	2,579.00	361.00
Other reserves.....		12.00		50.00	
Total operating costs and fixed charges.....	16,777.27	15,401.45	9,495.72	64,132.44	3,906.69
Net surplus.....	3,337.95	839.19	483.33	4,928.32	748.16
Net loss.....					
NUMBER OF CONSUMERS					
Domestic service.....	338	258	185	706	96
Commercial light service.....	99	74	52	109	37
Power service.....	13	3	14	26	6
Total.....	450	335	251	841	139

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1935

Humberstone 2,487	Ingersoll 4,919	Jarvis 535	Kingsville 2,354	Kitchener 31,328	Lambeth P.V.	La Salle 671	Leamington 5,004
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
9,196.49	31,689.82	2,530.74	14,040.44	202,185.59	3,360.34	5,367.42	29,290.23
3,351.72	15,302.93	1,831.90	5,904.22	102,880.42	1,461.58	1,386.16	14,775.60
3,449.76	26,770.70	3,769.97	3,293.52	226,228.44		2,444.97	13,134.57
	1,973.54		1,175.47	21,385.25	517.30		5,416.72
1,367.00	4,851.48	840.00	2,973.96	32,330.30	432.00	495.00	5,782.98
	278.48						
290.24	598.46	44.01	1,167.64	5,501.42	71.91	106.32	1,005.51
17,655.21	81,465.41	9,016.62	28,555.25	590,511.42	5,843.13	9,799.87	69,405.61
9,766.78	60,408.20	5,789.62	16,170.15	448,998.95	4,099.43	6,754.81	42,024.36
	452.39			6,889.20			
				3,417.94			
1,159.14	3,264.41	67.72	1,648.75	12,202.41	230.59	283.88	2,851.69
73.00	484.91		52.50	661.69	90.01		
67.45	756.78		671.15	5,943.76	42.65	143.53	602.31
	31.40		162.30	1,489.47	1.25		10.89
277.89	462.00	35.63	1,153.71	7,041.73	25.98	14.00	1,059.97
	374.82	41.00		541.97			
611.79	1,798.65	507.21	1,479.80	13,475.34	243.51	366.75	1,869.99
262.58	4,287.74	60.47	1,216.74	16,287.89	54.00	357.89	2,994.60
51.35	247.55	18.91	349.54	3,192.86	1.98	68.60	648.09
119.12	446.63		325.92	2,328.02			462.43
1,019.92	3,550.86	267.89	1,692.66	9,093.98		648.05	1,865.84
1,400.00		542.67	758.85	16,209.85		711.88	2,336.80
987.00	3,828.00	423.00	1,988.00	32,319.00	357.00	868.00	3,554.00
			48.82			35.00	75.00
15,796.02	80,394.34	7,754.12	27,718.89	580,093.56	5,146.40	10,252.39	60,355.97
1,859.19	1,071.07	1,262.50	836.36	10,417.86	696.73		9,049.64
						452.52	
531	1,338	128	708	7,240	111	173	1,346
62	242	43	171	1,006	28	16	244
5	43	3	13	264	1	4	28
598	1,623	174	892	8,510	140	193	1,618

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality.....	Listowel	London	London Twp.	Long Branch	Lucan
Population.....	2,755	73,880		3,776	604
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	17,163.89	540,809.37	11,682.22	25,334.02	4,392.40
Commercial light service.....	8,524.24	203,250.80	2,452.07	5,905.63	1,762.57
Commercial power service.....	12,439.98	341,427.45	1,722.31	1,289.94	302.18
Municipal power.....	1,610.20	61,497.62		988.98	
Street lighting.....	3,840.60	54,843.84	856.50	3,741.37	994.02
Merchandise.....		4,799.64			
Miscellaneous.....	1,082.10	36,494.45	531.65	96.15	289.13
Total earnings.....	44,661.01	1,243,123.17	17,244.75	37,356.09	7,740.30
EXPENSES					
Power purchased.....	30,622.17	834,801.16	12,503.80	19,520.84	4,728.94
Substation operation.....	59.06	15,601.74			
Substation maintenance.....		12,881.27			
Distribution system, operation and maintenance.....	2,260.78	21,559.51	473.22	3,062.23	588.95
Line transformer maintenance.....	90.38	3,697.23		20.13	57.58
Meter maintenance.....	407.07	19,665.99	201.09	637.56	75.85
Consumers' premises expenses.....		5,913.74			
Street lighting, operation and main- tenance.....	356.07	16,089.95	178.34	462.22	127.31
Promotion of business.....		20,503.59			
Billing and collecting.....	842.72	28,751.19	619.59	1,735.98	636.21
General office, salaries and expenses..	695.77	38,355.94	584.66	2,099.43	313.89
Undistributed expenses.....	137.54	7,447.78	5.44	545.76	50.08
Truck operation and maintenance.....	220.34	3,231.52			
Interest.....	352.79	42,565.48	432.37	1,654.11	204.80
Sinking fund and principal payments on debentures.....	1,924.55	68,702.29	532.93	2,113.26	285.27
Depreciation.....	2,754.00	98,735.31	776.00	2,327.00	679.00
Other reserves.....		7,491.73			
Total operating costs and fixed charges.....	40,723.24	1,245,995.42	16,307.44	34,178.52	7,747.88
Net surplus.....	3,937.77		937.31	3,177.57	
Net loss.....		2,872.25			7.58
NUMBER OF CONSUMERS					
Domestic service.....	736	16,902	355	1,155	171
Commercial light service.....	150	2,759	23	111	42
Power service.....	21	468	4	5	6
Total.....	907	20,129	382	1,271	219

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1935

Lynden	Markham	Merlin	Merritton	Milton	Milverton	Mimico	Mitchell
P.V.	1,092	P.V.	2,557	1,775	996	6,733	1,526
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
2,135.02	7,119.53	2,215.32	12,238.94	11,578.66	5,265.84	58,291.99	10,882.89
698.22	2,728.17	1,514.97	2,519.76	5,543.41	3,043.51	10,732.40	4,709.69
770.60	2,450.69	950.20	77,480.33	8,926.65	2,308.36	3,328.93	3,483.48
	436.62				551.80	7,411.21	906.19
430.00	1,344.00	688.00	3,368.50	2,037.96	999.00	7,005.34	2,088.00
				73.78			1,235.17
	228.58	309.19		1,278.49	96.87		1,110.56
4,033.84	14,307.59	5,677.68	95,607.53	29,438.95	12,265.38	86,769.87	24,415.48
2,861.05	8,368.32	3,259.63	82,602.88	20,828.16	8,400.73	55,222.57	14,719.97
			296.18	240.00			124.43
						104.53	
54.49	1,187.90	244.06	2,163.69	1,553.27	225.16	5,675.19	940.62
		1.03				133.44	45.55
		27.65	513.59	86.40	121.67	1,749.81	576.79
			33.70	22.81		13.43	15.83
56.36	118.29	67.86	728.37	238.54	117.13	1,111.34	396.39
118.79		283.70	1,000.50	869.46	692.90	1,795.89	760.92
65.71	753.76	179.74	1,603.91	1,929.45	275.76	1,687.23	1,845.17
26.87		1.83	150.49	163.93	187.82	184.19	1,126.55
	243.50		542.71	448.52		312.68	284.74
133.53	46.73	422.21	887.71	448.65	56.12	4,454.17	8.92
171.63	413.51	754.79	1,673.63	778.99	751.96	5,975.27	
290.00	820.00	384.00	2,128.00	1,906.23	725.00	5,732.00	3,304.00
		23.40					
3,778.43	11,952.01	5,649.95	94,325.36	29,514.41	11,554.25	84,151.74	24,149.88
255.41	2,355.58	27.73	1,282.17		711.13	2,618.13	265.60
				75.46			
84	283	109	640	455	228	1,768	441
20	70	43	65	106	75	137	113
1	8	1	9	17	6	20	23
105	361	153	714	578	309	1,925	577

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality.....	Moore- field P.V.	Mount Brydges P.V.	Newbury 265	New Hamburg 1,449	New Toronto 7,861
Population.....					
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	1,149.17	2,791.27	1,289.69	9,814.31	35,982.94
Commercial light service.....	637.63	829.97	751.44	4,258.70	14,241.59
Commercial power service.....	1,236.32	831.44	735.49	5,154.35	117,478.50
Municipal power.....					12,757.81
Street lighting.....	375.00	537.00	705.00	2,217.00	8,697.48
Merchandise.....				171.51	
Miscellaneous.....	42.02	203.21	12.45	174.98	19.30
Total earnings.....	3,440.14	5,192.89	3,494.07	21,790.85	189,177.62
EXPENSES					
Power purchased.....	2,462.99	3,594.82	2,151.00	14,352.98	162,879.37
Substation operation.....				179.97	
Substation maintenance.....					
Distribution system, operation and maintenance.....	7.40	92.81	237.11	307.97	4,027.53
Line transformer maintenance.....				4.53	297.25
Meter maintenance.....		133.62		329.82	1,780.95
Consumers' premises expenses.....					
Street lighting, operation and main- tenance.....	24.48	36.96	80.17	344.10	1,946.25
Promotion of business.....					
Billing and collecting.....		173.62		676.00	2,979.40
General office, salaries and expenses..	171.22	113.69	119.77	1,236.33	5,336.92
Undistributed expenses.....		18.36	15.75	102.17	1,551.53
Truck operation and maintenance.....				194.18	597.46
Interest.....	60.27	120.38	234.00	297.16	188.70
Sinking fund and principal payments on debentures.....	325.14	169.98	500.00	873.76	335.46
Depreciation.....	199.00	325.00	309.00	1,336.00	5,683.00
Other reserves.....					
Total operating costs and fixed charges.....	3,250.50	4,779.24	3,646.80	20,234.97	187,603.82
Net surplus.....	189.64	413.65		1,555.88	1,573.80
Net loss.....			152.73		
NUMBER OF CONSUMERS					
Domestic service.....	59	135	65	343	1,516
Commercial light service.....	25	37	23	96	181
Power service.....	2	3	2	12	37
Total.....	86	175	90	451	1,734

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality.....	Parkhill	Petrolia	Plattsville	Point Edward	Port Colborne
Population.....	1,023	2,664	P.V.	1,222	5,680
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	4,954.75	11,988.51	2,584.50	5,716.70	29,956.60
Commercial light service.....	3,107.98	6,264.06	1,024.07	1,699.01	13,547.19
Commercial power service.....	212.91	23,005.59	905.33	31,291.68	6,850.98
Municipal power.....	577.97				6,817.27
Street lighting.....	1,437.00	2,652.00	408.00	1,599.96	7,905.94
Merchandise.....		122.61			144.25
Miscellaneous.....		538.58	1.09	710.32	
Total earnings.....	10,290.61	44,571.35	4,922.99	41,017.67	65,222.23
EXPENSES					
Power purchased.....	6,937.18	26,950.16	2,887.85	36,799.23	35,985.72
Substation operation.....					
Substation maintenance.....		54.49			
Distribution system, operation and maintenance.....	184.91	2,884.79	40.79	153.80	2,105.89
Line transformer maintenance.....		201.91		59.90	289.15
Meter maintenance.....	172.41	726.34	92.86	254.01	499.10
Consumers' premises expenses.....					
Street lighting, operation and maintenance.....	164.23	539.93	20.18	139.64	2,250.91
Promotion of business.....					21.38
Billing and collecting.....	276.04	566.63	170.15		1,775.32
General office, salaries and expenses..	79.30	2,499.21	4.46	1,861.75	3,568.38
Undistributed expenses.....	69.14	223.16	21.51	18.49	185.13
Truck operation and maintenance.....		362.04			902.60
Interest.....	301.25	1,220.28	131.56	435.91	3,910.31
Sinking fund and principal payments on debentures.....	828.71	2,500.14	209.11	1,062.57	7,507.61
Depreciation.....	742.00	3,047.00	285.00	1,116.00	4,636.00
Other reserves.....		500.00			
Total operating costs and fixed charges.....	9,755.17	42,276.08	3,863.47	41,901.30	63,637.50
Net surplus.....	535.44	2,295.27	1,059.52		1,584.73
Net loss.....				883.63	
NUMBER OF CONSUMERS					
Domestic service.....	244	710	98	306	1,322
Commercial light service.....	78	165	25	46	239
Power service.....	3	58	1	9	21
Total.....	325	933	124	361	1,582

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1935

Port Credit 1,670	Port Dalhousie 1,410	Port Dover 1,692	Port Rowan 644	Port Stanley 759	Preston 6,274	Princeton P.V.	Queenston P.V.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
13,319.36	14,363.97	7,370.72	3,431.57	13,286.59	36,995.45	2,075.03	3,296.19
5,411.38	2,536.15	3,950.08	1,703.35	3,683.71	16,755.64	700.94	984.64
2,198.30	5,863.41	4,945.58	87.01	3,494.02	37,043.71	2,999.55	
1,182.53		50.61		779.67	1,088.96		
2,730.00	1,636.25	2,930.00	1,242.00	2,306.30	5,012.00	481.00	304.42
377.91			7.20	467.13	1,461.56		32.00
25,219.48	24,399.78	19,246.99	6,471.13	24,017.42	98,357.32	6,256.52	4,617.25
18,479.03	16,672.57	10,574.50	3,047.60	13,619.04	66,641.40	4,229.20	2,691.84
					4,269.36		
					10.35		
1,417.89	1,846.20	1,577.35	18.40	2,620.45	2,298.66	35.91	51.00
91.97	34.48	110.82		24.78	447.51	13.25	1.50
228.15	276.23	333.76		88.09	910.70	60.79	16.05
10.00	4.70				89.82		
442.18	252.71	598.82	34.01	170.51	1,193.02	50.00	30.08
		219.58			160.45		
699.39	607.20	659.77	92.63	764.71	1,685.00	182.32	
327.95	792.28	692.02	97.48	717.87	3,001.17	29.33	309.51
27.46	51.41	34.92		77.43	267.06	2.05	
	353.75			220.17	396.61		
366.18	562.58	468.90	666.23	327.24	2,357.44	85.00	294.25
589.95	1,228.76	1,290.70	449.63	905.58	4,201.77	141.76	521.19
1,564.00	985.00	1,360.00	347.00	1,371.00	8,720.00	265.00	358.00
150.00					400.00		
24,394.15	23,667.87	17,921.14	4,752.98	20,906.87	97,050.32	5,094.61	4,273.42
825.33	731.91	1,325.85	1,718.15	3,110.55	1,307.00	1,161.91	343.83
400	609	498	107	711	1,461	78	68
78	65	122	30	97	226	20	11
6	14	12	1	8	50	3	
484	688	632	138	816	1,737	101	79

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality.....	Richmond Hill	Ridgetown	Riverside	Rockwood	Rodney
Population.....	1,236	2,016	4,875	P.V.	729
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	6,953.69	9,460.79	37,351.98	3,141.51	3,379.11
Commercial light service.....	3,632.71	5,175.80	4,273.96	1,046.25	2,190.09
Commercial power service.....	1,966.16	3,509.81	6,031.23	352.02	2,042.81
Municipal power.....	417.33	888.20	1,242.64		
Street lighting.....	1,389.00	3,136.59	2,827.54	765.75	991.98
Merchandise.....	21.56				
Miscellaneous.....	118.18	536.03	225.56	44.96	47.53
Total earnings.....	14,498.63	22,707.22	51,952.91	5,350.49	8,651.52
EXPENSES					
Power purchased.....	10,541.67	14,738.31	30,976.36	3,447.44	5,527.52
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	1,144.92	1,105.68	351.31	140.76	240.08
Line transformer maintenance.....		114.86	34.13		
Meter maintenance.....		189.42	582.11	15.10	50.32
Consumers' premises expenses.....		16.64	1,008.00		
Street lighting, operation and main- tenance.....	315.00	468.74	544.68	75.86	67.70
Promotion of business.....		82.22	375.81	0.31	
Billing and collecting.....	826.40	885.66	3,500.00		401.67
General office, salaries and expenses..	348.01	863.32	1,764.28	497.56	311.72
Undistributed expenses.....	8.00	57.58	797.90		19.35
Truck operation and maintenance.....			604.50		
Interest.....	181.27	363.92	2,989.16	107.61	286.76
Sinking fund and principal payments on debentures.....	418.77	401.87	4,225.27	87.52	307.61
Depreciation.....	585.00	1,405.00	4,168.00	452.00	430.00
Other reserves.....					
Total operating costs and fixed charges.....	14,369.04	20,693.22	51,921.51	4,824.16	7,642.73
Net surplus.....	129.59	2,014.00	31.40	526.33	1,008.79
Net loss.....					
NUMBER OF CONSUMERS					
Domestic service.....	339	558	1,147	138	203
Commercial light service.....	68	144	47	35	75
Power service.....	17	20	6	2	5
Total.....	424	722	1,200	175	283

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1935

St. Catharines 26,394	St. Clair Beach 79	St. George P.V.	St. Jacobs P.V.	St. Marys 4,038	St. Thomas 10,066	Sandwich 10,682	Sarnia 17,645
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
143,885.37	2,074.70	3,128.14	4,128.85	29,527.11	115,087.08	88,166.01	108,536.83
52,272.49	2,100.02	1,321.24	1,370.88	11,821.51	50,320.47	16,379.17	48,037.26
112,239.90	53.86	2,250.52	2,181.93	14,676.65	51,659.73	13,428.61	159,818.44
				2,997.84	5,929.10		5,364.55
21,270.55		370.50	460.00	4,692.66	14,698.00	8,436.35	18,652.98
					735.13		747.91
3,853.28		78.41	135.88	570.51	3,861.60		8,137.48
333,521.59	4,228.58	7,148.81	8,277.54	64,286.28	242,291.11	126,410.14	349,295.45
226,466.44	2,316.74	5,507.68	6,368.42	44,590.64	178,836.31	87,323.04	227,773.46
3,884.42				1,352.94	7,399.48	150.52	8,717.41
				116.67	826.94		589.72
14,683.14	91.59	24.03	26.17	1,334.53	9,216.07	2,541.13	7,463.29
1,293.55		3.75		44.45	996.81	669.29	535.60
4,121.50	70.86	18.80	16.53	1,290.08	2,479.16	1,331.80	3,299.11
1,883.37	44.37			1.44	2,026.33	675.09	809.98
3,020.20		101.58	57.20	988.86	2,541.47	1,551.96	5,428.40
105.60	7.34			241.07	1,140.61	511.44	3,191.51
11,378.31	137.50	482.86	282.48	1,185.45	5,557.82	5,880.65	8,344.80
9,784.09	25.76	66.66	94.23	1,057.29	10,207.73	5,859.34	11,674.21
4,549.34	68.20	17.13	2.25	665.65	5,665.58	1,060.46	5,123.48
988.57	67.50			611.77	1,407.82	945.66	1,842.20
9,263.54	249.32	163.65	76.37	2,133.13	118.18	5,378.13	6,007.46
13,699.41	382.09	240.43	427.61	2,314.20		7,220.91	22,897.88
17,644.00	348.00	326.00	368.00	4,549.00	13,719.00	6,135.00	18,891.00
							500.00
322,765.48	3,809.27	6,952.57	7,719.26	62,477.17	242,139.31	127,234.42	333,089.51
10,756.11	419.31	196.24	558.28	1,809.11	151.80		16,205.94
						824.28	
6,449	43	136	116	1,000	4,089	2,557	4,576
715	3	36	27	179	629	206	626
143	1	3	7	34	78	28	84
7,307	47	175	150	1,213	4,796	2,791	5,286

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality.....	Scarboro' Twp.	Seaforth	Simcoe	Springfield	Stamford Twp.
Population.....		1,697	5,317	380	
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	98,499.04	10,323.85	22,784.27	1,779.48	56,380.59
Commercial light service.....	19,996.06	5,502.97	25,782.43	746.98	7,241.24
Commercial power service.....	10,329.53	5,236.66	25,234.49	2,137.63	9,668.46
Municipal power.....	12,086.57	758.34	2,338.51		1,900.12
Street lighting.....	14,396.96	1,853.00	4,539.20	561.00	7,734.75
Merchandise.....		564.43			1,607.70
Miscellaneous.....	1,081.56	10.54	1,203.78	233.75	264.58
Total earnings.....	156,389.72	24,249.79	81,882.68	5,458.84	84,797.44
EXPENSES					
Power purchased.....	85,956.54	15,677.19	46,442.32	3,917.78	45,349.96
Substation operation.....	104.45	150.00	898.36		859.53
Substation maintenance.....					
Distribution system, operation and maintenance.....	5,993.43	1,637.48	4,281.70	18.02	3,590.17
Line transformer maintenance.....	1,151.72	89.92	231.63	4.00	8.73
Meter maintenance.....	3,172.12	142.77	1,402.81	131.64	1,211.83
Consumers' premises expenses.....	22.99	4.00	91.76		631.26
Street lighting, operation and main- tenance.....	2,256.31	311.15	951.97	31.98	1,281.98
Promotion of business.....			632.54		884.81
Billing and collecting.....	6,022.74	751.40	1,801.23	256.73	3,073.75
General office, salaries and expenses..	5,278.19	653.74	2,979.23	124.50	4,339.12
Undistributed expenses.....	1,938.65	447.60	540.11	1.48	1,148.44
Truck operation and maintenance.....	1,763.18	210.99	542.99		1,232.86
Interest.....	9,626.30		2,152.66	196.33	8,825.99
Sinking fund and principal payments on debentures.....	14,998.90		3,266.50	187.73	11,681.21
Depreciation.....	11,562.00	1,902.00	3,618.00	366.00	6,235.00
Other reserves.....					
Total operating costs and fixed charges.....	149,847.52	21,978.24	69,833.81	5,236.19	90,354.64
Net surplus.....	6,542.20	2,271.55	12,048.87	222.65	
Net loss.....					5,557.20
NUMBER OF CONSUMERS					
Domestic service.....	4,573	481	1,244	97	1,686
Commercial light service.....	362	123	321	30	103
Power service.....	37	17	35	4	13
Total.....	4,972	621	1,600	131	1,802

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1935

Stouffville 1,169	Stratford 17,456	Strathroy 2,875	Streets- ville 671	Sutton 812	Tavistock 1,033	Tecumseh 2,526	Thames- ford P.V.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
7,083.72	149,041.81	20,525.08	5,230.68	7,477.14	6,944.33	14,134.00	2,629.32
3,011.58	53,473.27	10,237.98		2,914.29	2,279.37	3,913.54	1,402.33
831.77	52,494.55	12,991.65	2,943.30	994.86	9,227.09	1,667.67	1,477.34
	10,409.45	1,105.95			475.98		
1,638.00	16,507.96	4,050.96	935.50	1,966.00	1,263.66	1,140.00	517.00
	598.65	104.59					
301.28	9,691.52	1,454.76	647.66	25.81	239.79		370.61
12,866.35	292,217.21	50,470.97	9,757.14	13,378.10	20,430.22	20,855.21	6,396.60
7,890.86	188,636.80	29,421.96	3,820.13	8,407.95	16,105.21	9,851.48	4,565.49
	4,429.01	313.50	966.40				
	1,559.78	139.78	12.09				
743.12	5,590.59	1,185.57	443.97	293.72	431.63	466.17	246.18
	134.54	344.49	26.18		14.00	24.93	80.63
	3,224.44	773.79	69.40		39.97	575.38	3.72
	210.41	1.20				381.85	
183.14	2,383.16	692.99	159.41	207.82	125.84	362.98	65.53
	749.53	1,077.88				85.45	
	5,430.22	801.53	634.43		567.01	1,731.30	122.54
367.35	8,298.10	1,885.62	195.31	668.72	222.59	300.63	141.19
	3,151.23	244.34	24.01		47.10	385.51	22.71
	977.64	372.12				534.50	
277.01	20,675.00	1,720.03	928.02	817.89	172.98	955.09	64.15
1,098.06	9,239.60	1,604.95	1,709.78	1,498.80	217.33	1,496.86	134.93
597.00	21,202.00	3,381.00	592.00	907.00	840.00	1,564.00	462.00
	600.00	58.47	40.26				
11,156.54	276,492.05	44,019.22	9,621.39	12,801.90	18,783.66	18,716.13	5,909.07
1,709.81	15,725.16	6,451.75	135.75	576.20	1,646.56	2,139.08	487.53
346	4,305	806	205	406	259	520	121
78	620	169		76	77	47	41
4	128	26	4	5	7	3	7
428	5,053	1,001	209	487	343	570	169

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality.....	Thames- ville 710	Thedford 575	Thorn- dale P.V.	Thorold 4,954	Tilbury 1,937
Population.....					
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	3,704.13	3,006.75	1,476.68	19,391.31	7,004.30
Commercial light service.....	2,562.53	1,850.68	934.68	6,902.28	8,825.56
Commercial power service.....	1,169.42	1,118.60	223.01	31,730.60	9,651.40
Municipal power.....	239.50			4,201.13	225.00
Street lighting.....	1,200.00	1,035.00	384.00	3,301.00	1,604.04
Merchandise.....					
Miscellaneous.....	287.94	47.58	16.33	432.52	493.30
Total earnings.....	9,163.52	7,058.61	3,034.70	65,958.84	27,803.60
EXPENSES					
Power purchased.....	6,180.72	4,252.03	2,285.03	47,159.59	18,439.37
Substation operation.....				2,374.29	
Substation maintenance.....					
Distribution system, operation and maintenance.....	413.41	129.59	65.85	2,545.85	1,563.19
Line transformer maintenance.....				19.52	
Meter maintenance.....	145.48	13.12	1.90	567.84	84.10
Consumers' premises expenses.....				47.80	
Street lighting, operation and main- tenance.....	194.20	84.96	60.30	607.36	349.48
Promotion of business.....					
Billing and collecting.....	262.09	207.67	30.95	1,412.77	784.93
General office, salaries and expenses..	225.66	108.32	27.65	1,091.24	942.74
Undistributed expenses.....	16.41	12.19	0.96	417.20	149.51
Truck operation and maintenance.....				374.95	173.12
Interest.....	214.85	481.83	67.94		359.18
Sinking fund and principal payments on debentures.....	239.20	956.72	95.99		716.05
Depreciation.....	791.00	410.00	245.00	2,812.35	1,145.00
Other reserves.....	37.18				128.53
Total operating costs and fixed charges.....	8,720.20	6,656.43	2,881.57	59,430.76	24,835.20
Net surplus.....	443.32	402.18	153.13	6,528.08	2,968.40
Net loss.....					
NUMBER OF CONSUMERS					
Domestic service.....	218	131	66	1,094	440
Commercial light service.....	76	43	21	166	138
Power service.....	6	3	1	16	13
Total.....	300	177	88	1,276	591

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1935

Tillson- burg 3,453	Toronto 623,562	Toronto Twp.	Trafalgar Twp. Area No. 1	Trafalgar Twp. Area No. 2	Walkerville 9,968	Wallaceburg 4,630
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
15,575.05	4,081,343.34	63,295.61	13,541.51	5,863.90	107,948.59	19,288.38
13,083.77	3,085,270.24	14,329.80	697.11		31,004.81	10,711.55
10,465.44	3,480,567.81	9,705.70	669.66		175,568.06	52,697.82
759.46	1,294,169.05					1,923.92
4,386.38	537,402.34	4,987.20			12,302.04	4,170.00
366.78					1,497.22	
470.00	259,132.20	1,288.57	357.17		2,299.37	1,458.87
45,106.88	12,737,884.98	93,606.88	15,265.45	5,863.90	330,620.09	90,250.54
26,901.14	6,844,845.33	57,043.16	7,312.00	2,697.25	255,804.40	60,872.51
899.33	209,542.58				6,097.72	254.80
	252,942.04				776.14	
1,740.67	314,726.20	4,561.50	2,048.42	481.99	5,108.64	2,837.69
6.90	30,156.68	180.44			442.93	46.44
371.18	101,130.27	1,174.85	66.55	28.05	2,541.18	841.75
	263,983.30				6,379.63	
844.91	107,863.14	832.38			3,291.79	737.24
	151,348.99				2,429.35	649.77
1,036.13	334,586.69	3,423.01			4,851.86	2,413.04
3,213.75	372,535.62	4,914.86	1,617.96	554.02	8,711.10	2,847.98
181.53	*155,866.11	241.09	136.38	31.11	7,475.27	1,346.59
480.97		1,431.01	459.27		2,648.30	745.65
426.86	1,261,453.06	3,219.49	648.61	390.51	5,169.60	2,422.45
1,127.81	1,323,680.93	5,759.96	1,033.64		13,938.92	3,073.37
3,384.00	856,904.96	9,294.00	1,232.00	344.00	17,448.00	4,968.00
200.00						
40,815.18	12,581,565.90	92,075.75	14,554.83	4,526.93	343,114.33	84,057.28
4,291.70	156,319.08	1,531.13	710.62	1,336.97		6,193.26
					12,494.24	
917	156,254	1,957	300	152	2,650	1,057
213	24,821	177	2		309	257
31	5,147	24	10		89	28
1,161	186,222	2,158	312	152	3,048	1,342

*Includes \$15,000.00 provision for possible York township profit.

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality.....	Wards- ville 247	Water- down 932	Waterford 1,202	Waterloo 8,746	Watford 916
Population.....					
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	1,136.06	5,732.70	6,015.29	62,320.54	6,517.92
Commercial light service.....	1,112.22	1,677.52	1,790.73	22,227.51	3,452.57
Commercial power service.....		1,946.47	4,256.82	26,489.80	2,362.82
Municipal power.....		200.79	295.08	3,572.10	400.72
Street lighting.....	720.00	932.00	1,512.00	7,558.54	1,344.96
Merchandise.....				268.70	76.38
Miscellaneous.....	31.69	37.41	262.26	1,325.45	351.92
Total earnings.....	2,999.97	10,526.89	14,132.18	123,762.64	14,507.29
EXPENSES					
Power purchased.....	1,656.73	6,705.73	10,365.77	81,115.32	9,073.47
Substation operation.....				2,345.92	
Substation maintenance.....				2,146.43	
Distribution system, operation and maintenance.....	105.35	356.08	792.18	3,657.11	826.77
Line transformer maintenance.....			30.83	140.66	
Meter maintenance.....	7.00	9.10	60.78	907.39	102.14
Consumers' premises expenses.....				742.05	
Street lighting, operation and main- tenance.....	79.53	165.60	383.41	1,350.04	68.51
Promotion of business.....			46.25		147.20
Billing and collecting.....		513.40	434.38	3,193.31	493.14
General office, salaries and expenses..	169.36	149.60	431.15	4,093.86	613.16
Undistributed expenses.....		24.80	19.73	380.33	38.30
Truck operation and maintenance.....				927.31	161.18
Interest.....	235.56			2,453.78	43.62
Sinking fund and principal payments on debentures.....	463.87			4,550.95	793.17
Depreciation.....	255.00	864.00	1,037.00	9,180.00	820.00
Other reserves.....				332.66	25.00
Total operating costs and fixed charges.....	2,972.40	8,788.31	13,601.48	117,517.12	13,205.66
Net surplus.....	27.57	1,738.58	530.70	6,245.52	1,301.63
Net loss.....					
NUMBER OF CONSUMERS					
Domestic service.....	50	228	324	1,882	273
Commercial light service.....	24	35	68	250	75
Power service.....		7	11	75	5
Total.....	74	270	403	2,207	353

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1935

Welland 10,585	Wellesley P.V.	West Lorne 747	Weston 4,958	Wheatley 743	Windsor 62,216	Wood- bridge 742	Woodstock 10,968
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
52,924.14	2,728.08	2,858.39	43,507.45	3,908.05	527,192.45	6,551.39	73,740.96
29,324.15	1,554.26	1,348.01	10,009.82	2,607.04	245,042.86	1,900.53	38,256.63
71,648.79	1,900.11	898.77	36,607.10	1,270.29	188,584.07	5,069.36	54,829.37
3,300.30			579.05	489.94	12,079.25	400.82	2,986.69
10,893.20	720.00	1,010.00	7,176.25	1,349.25	76,420.41	900.84	8,135.34
1,275.25							
7,340.89	4.65	196.62	762.03	82.50		87.95	4,950.53
176,706.72	6,907.10	6,311.79	98,641.70	9,707.07	1,049,319.04	14,910.89	182,899.52
99,637.81	4,494.57	3,807.84	76,016.01	6,020.23	590,833.23	10,586.89	135,441.01
5,063.18			146.00		15,832.15		2,536.52
588.83					4,693.89		65.66
5,552.04	52.47	161.49	4,541.37	805.26	19,406.40	225.97	4,651.24
191.24	2.76	6.20		108.41	3,768.98	11.82	101.89
3,902.59	23.25	41.70	755.58	155.71	14,453.26	282.86	2,109.47
316.11			183.00		24,923.94		
1,211.21	58.38	227.35	1,060.89	279.83	16,666.76	122.99	2,285.32
433.90					25,150.17		707.64
3,569.16		432.15	761.92	360.84	30,245.93		3,839.32
9,184.37	425.12	195.89	2,774.04	178.16	26,985.96	726.21	5,354.02
1,323.01	22.99	2.06	430.27	65.22	19,514.43		1,700.23
1,681.97			435.68		15,750.91		871.55
14,328.19	71.92	282.82	1,657.17	419.78	53,010.32	325.82	4,610.84
10,666.10	581.96	289.04	3,350.64	671.87	94,962.83	324.53	1,236.99
12,810.53	337.00	644.00	5,134.00	632.00	69,005.00	854.00	12,578.00
			159.66				300.00
170,460.24	6,070.42	6,090.54	97,406.23	9,697.31	1,025,204.16	13,461.09	178,389.70
6,246.48	836.68	221.25	1,235.47	9.76	24,114.88	1,449.80	4,509.82
2,392	128	190	1,275	156	15,357	256	2,970
434	44	49	181	58	2,265	49	457
82	6	3	26	3	307	7	89
2,908	178	242	1,482	217	17,929	312	3,516

STATEMENT

Detailed Operating Reports of Electrical Departments of

**NIAGARA
SYSTEM—Concluded**

Municipality.....	Wyoming	*York Twp.	Zurich	NIAGARA SYSTEM SUMMARY
Population.....	492		P.V.	
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	2,694.32	603,082.77	3,067.54	9,869,112.67
Commercial light service.....	1,653.48	70,233.53	2,138.03	5,350,325.00
Commercial power service.....	230.68	87,380.24		8,323,571.43
Municipal power.....		9,215.05		1,658,259.98
Street lighting.....	765.00	49,478.49	693.00	1,395,528.40
Merchandise.....				17,451.29
Miscellaneous.....	41.29	15,321.14	70.41	465,427.09
Total earnings.....	5,384.77	834,711.22	5,968.98	27,079,675.86
EXPENSES				
Power purchased.....	3,019.09		3,928.24	16,404,279.72
Substation operation.....				394,080.66
Substation maintenance.....				288,965.96
Distribution system, operation and maintenance.....	274.43		416.93	666,806.29
Line transformer maintenance.....				58,254.21
Meter maintenance.....			127.19	255,122.64
Consumers' premises expenses.....		†776,123.12		332,214.55
Street lighting, operation and main- tenance.....	48.96		92.46	259,653.55
Promotion of business.....				234,328.45
Billing and collecting.....	200.02		224.11	681,769.64
General office, salaries and expenses..	47.89		23.69	769,637.42
Undistributed expenses.....			16.52	297,227.88
Truck operation and maintenance.....				72,357.19
Interest.....	51.32	21,550.95	195.58	1,845,294.55
Sinking fund and principal payments on debentures.....	843.94	24,266.93	194.42	2,218,920.41
Depreciation.....	430.00	22,379.00	403.00	1,693,702.44
Other reserves.....				19,439.68
Total operating costs and fixed charges.....	4,915.65	844,320.00	5,622.14	26,492,055.24
Net surplus.....	469.12		346.84	587,620.62
Net loss.....		9,608.78		
NUMBER OF CONSUMERS				
Domestic service.....	132	20,171	122	373,878
Commercial light service.....	50	1,059	48	57,041
Power service.....	2	154		10,570
Total.....	184	21,384	170	441,489

*In this column the figures given are for the year ended Dec. 31, 1934, and are not included in the System summary. The 1935 figures for York Twp. are included with the Toronto column figures, and have not yet been segregated.

†Operating costs are based on special agreement with Toronto.

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1935

GEORGIAN BAY
SYSTEM

Alliston	Arthur	Barrie	Beaverton	Beeton	Bradford	Brechin	Cannington
1,412	1,034	7,725	932	621	1,002	621	786
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
8,537.48	4,772.93	54,672.84	6,377.18	3,705.27	5,971.21	959.75	5,063.88
4,797.50	3,837.63	31,710.76	2,606.48	2,463.75	3,237.58	1,100.84	2,290.45
2,207.91	1,245.89	17,002.15	1,090.21	1,830.19	2,462.75	1,044.54	583.74
834.41	647.20	1,010.01			403.59		
2,012.50	1,748.00	6,149.74	1,295.04	1,185.00	1,072.00	594.00	1,085.75
		33.43					40.40
82.41	0.81	328.20	830.17		69.53	1.66	
18,472.21	12,252.46	110,907.13	12,199.08	9,184.21	13,216.66	3,700.79	9,064.22
11,673.99	7,955.39	68,867.88	6,606.66	6,662.88	8,059.26	2,257.82	5,394.05
		1,368.06					
784.86	540.20	6,217.60	966.90	121.70	298.91	335.45	651.18
		67.79	4.29				
		914.56					
70.00			2.95				20.45
173.82	106.64	990.11	223.39	91.58	57.93	63.54	183.62
807.15		3,204.90	450.54		623.95		
301.37	377.87	1,240.89	224.35	388.66	128.08	56.89	592.90
54.44		919.24	108.11		258.70		
		640.02					
1,575.57	1,119.27	1,716.31	301.20	478.63	1,068.61	207.15	394.70
1,572.40	808.16	2,952.69	619.33	492.83	941.93	109.17	678.81
1,450.00	976.00	7,584.00	1,240.00	625.00	906.00	150.00	715.00
18,463.60	11,883.53	96,684.05	10,747.72	8,861.28	12,343.37	3,180.02	8,630.71
8.61	368.93	14,223.08	1,451.36	322.93	873.29	520.77	433.51
347	194	1,970	315	128	222	40	250
103	84	387	65	39	60	28	72
13	4	45	9	4	9	3	10
463	282	2,402	389	171	291	71	332

STATEMENT

Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY
SYSTEM—Continued

Municipality.....	Chatsworth 302	Chesley	Coldwater	Collingwood 5,416	Cookstown P.V.
Population.....		1,794	608		
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	1,727.07	8,867.48	2,657.03	25,673.49	2,232.39
Commercial light service.....	1,164.87	4,333.86	1,815.63	9,810.95	1,197.78
Commercial power service.....		8,161.87	5,588.64	16,370.39	820.94
Municipal power.....		968.98		1,323.34	
Street lighting.....	574.00	1,512.33	572.00	3,207.00	840.00
Merchandise.....		39.24			
Miscellaneous.....	25.71	693.22	211.36	633.98	87.76
Total earnings.....	3,491.65	24,576.48	10,844.66	57,019.15	5,178.87
EXPENSES					
Power purchased.....	2,001.73	15,121.49	8,741.42	44,285.61	2,669.51
Substation operation.....				46.35	
Substation maintenance.....					
Distribution system, operation and maintenance.....	61.05	750.20	388.81	635.00	174.98
Line transformer maintenance.....		81.07			
Meter maintenance.....		247.57		225.92	
Consumers' premises expenses.....		197.25		12.00	
Street lighting, operation and maintenance.....	16.73	237.18	36.07	432.55	40.40
Promotion of business.....				26.74	
Billing and collecting.....		429.91		2,634.65	189.26
General office, salaries and expenses..	261.08	639.90	341.17	2,578.05	43.03
Undistributed expenses.....		97.30		711.22	3.66
Truck operation and maintenance.....		72.70		115.31	
Interest.....	272.17	263.64	184.28		406.66
Sinking fund and principal payments on debentures.....	226.22	2,160.30	297.40		320.82
Depreciation.....	265.00	1,308.00	577.00	4,050.00	541.00
Other reserves.....					
Total operating costs and fixed charges.....	3,103.98	21,606.51	10,566.15	55,753.40	4,389.32
Net surplus.....	387.67	2,969.97	278.51	1,265.75	789.55
Net loss.....					
NUMBER OF CONSUMERS					
Domestic service.....	79	424	137	1,304	104
Commercial light service.....	33	98	57	200	31
Power service.....		19	3	55	3
Total.....	112	541	197	1,559	138

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1935

Creemore 656	Dundalk 709	Durham 1,825	Elmvale P.V.	Elmwood P.V.	Flesherton 469	Grand Valley 575	Graven- hurst 1,985
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
3,455.85	2,886.92	6,783.20	2,817.58	1,206.22	2,517.39	3,296.62	9,033.45
2,150.25	2,417.17	4,789.22	1,730.89	642.85	1,862.90	1,778.89	6,979.79
960.88	2,399.02	2,775.30	2,701.91	1,354.50	401.71	1,825.96	8,357.46
		645.10	144.15				632.99
708.00	1,230.00	1,935.00	621.00	529.00	615.00	884.00	2,142.31
							57.14
	149.33	400.90	175.53	97.12	29.93	148.31	157.50
7,274.98	9,082.44	17,328.72	8,191.06	3,829.69	5,426.93	7,933.78	27,360.64
4,900.78	6,493.42	10,076.38	5,304.17	2,107.98	3,272.28	4,895.51	14,673.66
228.91	604.53	416.65	645.16	61.41	267.51	81.43	1,410.13
		127.34					318.38
54.95	98.78	304.65	100.93	15.30	37.94	153.01	346.41
208.84	634.34	912.82	260.13	188.06	377.48	514.84	1,483.94
		678.49				31.89	627.66
		65.07					825.16
5.38	23.99	298.74	191.98	153.94	381.52	106.92	167.91
	398.16	128.74	308.21	478.76	282.94	853.53	402.52
452.00	462.00	1,457.24	658.00	258.00	354.00	565.00	607.17
		1,209.00					1,790.00
							200.00
5,850.86	8,715.22	15,675.12	7,468.58	3,263.45	4,973.67	7,202.13	22,852.94
1,424.12	367.22	1,653.60	722.48	566.24	453.26	731.65	4,507.70
138	164	412	157	60	140	155	457
58	73	108	55	20	52	48	106
3	4	8	7	1	2	5	14
199	241	528	219	81	194	208	577

STATEMENT

Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY
SYSTEM—Continued

Municipality.....	Hanover	Holstein	Huntsville	Kincardine	Kirkfield
Population.....	3,006	P.V.	2,651	2,354	P.V.
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	18,862.65	1,225.33	12,333.09	14,875.13	850.22
Commercial light service.....	6,989.16	593.64	9,349.64	7,315.97	1,146.66
Commercial power service.....	18,690.21		12,301.27	10,304.11	
Municipal power.....	277.58		1,400.00	1,519.84	
Street lighting.....	2,893.50	350.00	2,488.05	4,333.75	480.00
Merchandise.....					
Miscellaneous.....	1,547.63	86.45	847.60	60.24	
Total earnings.....	49,260.73	2,255.42	38,719.65	38,409.04	2,476.88
EXPENSES					
Power purchased.....	30,252.52	1,477.34	22,764.64	23,013.83	1,268.18
Substation operation.....				308.75	
Substation maintenance.....					
Distribution system, operation and maintenance.....	1,922.10	19.01	1,900.78	1,234.74	169.41
Line transformer maintenance.....	133.35				
Meter maintenance.....	241.88		383.22		
Consumers' premises expenses.....	20.40			65.00	
Street lighting, operation and maintenance.....	433.54	7.34	435.80	348.79	14.55
Promotion of business.....			262.82		
Billing and collecting.....	984.37		1,113.21	712.26	
General office, salaries and expenses.....	809.74	154.19	808.32	684.68	39.89
Undistributed expenses.....	222.29		571.88	175.01	
Truck operation and maintenance.....	160.51		179.78	243.11	
Interest.....	1,709.17	44.08	176.32	1,707.03	224.02
Sinking fund and principal payments on debentures.....	5,935.53		771.19	3,548.98	368.75
Depreciation.....	3,460.00	117.00	1,185.00	2,277.00	225.00
Other reserves.....			300.00		
Total operating costs and fixed charges.....	46,285.40	1,818.96	30,852.96	34,319.18	2,309.80
Net surplus.....	2,975.33	436.46	7,866.69	4,089.86	167.08
Net loss.....					
NUMBER OF CONSUMERS					
Domestic service.....	717	54	594	647	30
Commercial light service.....	125	19	131	117	19
Power service.....	21		14	19	
Total.....	863	73	739	783	49

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1935

Lucknow 1,055	Markdale 793	Meaford 2,722	Midland 7,250	Mildmay 741	Mount Forest 1,826	Neustadt 491	Orangeville 2,789
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
6,663.07	3,661.07	11,710.28	35,265.48	2,795.98	7,884.77	2,105.34	14,926.62
3,152.67	2,712.22	6,401.35	14,536.03	2,013.83	5,709.18	1,449.53	9,718.65
3,391.66	940.26	6,144.99	49,432.46	712.82	4,268.50	39.00	5,918.68
493.83	45.00	905.19	3,296.66		972.53		1,241.34
1,531.25	900.00	2,953.00	6,907.42	738.42	2,240.00	975.00	3,014.00
		1.77					12.07
179.48	86.03	997.79	1,576.93	64.11	233.03	347.47	308.59
15,411.96	8,344.58	29,114.37	111,014.98	6,325.16	21,308.01	4,916.34	35,139.95
10,628.45	5,146.77	17,246.69	74,475.40	3,340.78	15,878.55	2,137.62	21,068.01
			1,888.56				
			207.50				
213.41	56.34	1,859.90	2,937.16	159.37	526.23	47.02	1,360.24
		21.92	83.37				
		139.66	781.57	86.95	136.55		281.45
68.83	93.95	319.68	805.10	61.33	405.92	27.28	388.18
			1,095.11				
		908.07	2,147.77		696.61		1,324.04
1,165.53	460.04	461.34	2,030.60	345.74	116.42	206.53	175.80
		415.29	2,041.02		68.66		55.68
		167.95	403.06		65.74		
578.89	313.74	1,957.36	2,163.57	594.67	612.07	443.00	389.40
1,076.60	344.44	3,359.38	4,438.47	450.11	707.13	1,094.95	2,518.02
798.00	617.00	1,471.00	10,300.00	227.00	1,416.00	602.00	2,095.00
			2,000.00				
14,529.71	7,032.28	28,328.24	107,798.26	5,265.95	20,629.88	4,558.40	29,655.82
882.25	1,312.30	786.13	3,216.72	1,059.21	678.13	357.94	5,484.13
270	190	668	1,610	145	456	94	676
64	74	142	222	43	149	30	159
6	10	18	59	2	13	1	26
340	274	828	1,891	190	618	125	861

STATEMENT

Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY
SYSTEM—Continued

Municipality.....	Owen Sound 12,923	Paisley 728	Penetang- uishene 4,352	Port Elgin 1,301	Port McNicol 935
Population.....					
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	64,074.25	4,001.16	12,168.72	7,035.14	3,202.80
Commercial light service.....	37,534.08	2,663.59	5,374.37	4,099.18	801.70
Commercial power service.....	40,144.54	1,156.23	12,023.78	3,473.52	
Municipal power.....			2,343.82	842.78	
Street lighting.....	12,854.14	1,246.00	2,182.00	2,283.06	1,000.00
Merchandise.....	416.38				
Miscellaneous.....	1,752.37	159.83		602.49	5.88
Total earnings.....	156,775.76	9,226.81	34,092.69	18,336.17	5,010.38
EXPENSES					
Power purchased.....	97,198.48	5,607.84	21,639.95	10,762.04	2,638.09
Substation operation.....	3,057.61		7.50		
Substation maintenance.....					
Distribution system, operation and maintenance.....	7,112.73	189.70	1,740.80	875.10	621.18
Line transformer maintenance.....	1,078.39		15.80	17.55	
Meter maintenance.....	2,329.47		48.43	72.93	
Consumers' premises expenses.....					
Street lighting, operation and main- tenance.....	1,471.45	118.28	526.07	232.06	87.93
Promotion of business.....					
Billing and collecting.....	5,341.82		1,205.09	562.89	
General office, salaries and expenses.....	5,091.99	505.08	466.25	221.81	114.07
Undistributed expenses.....	2,732.06		272.47	40.55	
Truck operation and maintenance.....	915.87		258.42	289.63	
Interest.....		511.95	910.22	1,827.30	122.21
Sinking fund and principal payments on debentures.....		826.92	1,817.65	1,543.94	545.57
Depreciation.....	7,397.00	548.00	2,965.00	921.00	425.00
Other reserves.....			500.00		
Total operating costs and fixed charges.....	133,726.87	8,307.77	32,373.65	17,366.80	4,554.05
Net surplus.....	23,048.89	919.04	1,719.04	969.37	456.33
Net loss.....					
NUMBER OF CONSUMERS					
Domestic service.....	3,218	184	583	390	199
Commercial light service.....	560	55	101	92	30
Power service.....	108	4	26	9	
Total.....	3,886	243	710	491	229

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1935

Port Perry 1,146	Priceville P.V.	Ripley 450	Rosseau 300	Shelburne 1,166	South- ampton 1,355	Stayner 900	Sunder- land P.V.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
6,864.06	598.03	3,170.70	3,214.67	5,426.58	7,013.32	4,413.06	2,404.37
3,041.57	329.26	1,580.82	1,003.42	3,697.60	3,077.18	2,914.94	1,823.66
2,844.64				2,128.56	2,190.24	2,520.94	61.82
352.98				617.34	1,260.68		
1,477.50	560.00	1,070.00	1,239.00	1,056.00	2,301.58	1,424.00	720.00
667.82	200.11	15.35		192.54	83.72	241.27	73.34
15,248.57	1,687.40	5,836.87	5,457.09	13,118.62	15,926.72	11,514.21	5,083.19
9,354.99	810.72	3,504.23	3,076.34	8,541.72	9,011.27	7,322.83	3,011.86
977.92	20.14	14.25	182.02	485.40	1,359.53	613.57	261.40
			8.57		98.40		
128.79	16.86	49.05	59.76	139.94	270.73	154.63	108.09
717.46	42.57	451.79	204.27 45.27	540.00 98.76	880.09 380.16	557.15 67.40	274.06
850.13	282.67	599.08	718.43	156.73	46.15 357.43 1,074.36	168.70 50.37	153.52
839.89	368.77	428.98	385.84	1,460.36	1,213.08	387.96	246.48
880.00	190.00	454.00	245.00	1,015.00	818.00	898.00	303.60
13,749.18	1,731.73	5,501.38	4,925.50	12,437.91	15,509.20	10,220.61	4,359.01
1,499.39		335.49	531.59	680.71	417.52	1,293.60	724.18
	44.33						
316	33	118	62	273	412	251	115
81	9	44	20	80	79	86	45
10				14	11	10	1
407	42	162	82	367	502	347	161

STATEMENT

Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY
SYSTEM—Concluded

Municipality.....	Tara	Teeswater	Thornton	Tottenham	Uxbridge
Population.....	509	796	P.V.	514	1,514
<hr/>					
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	2,762.70	4,463.87	1,414.27	3,314.63	8,184.49
Commercial light service.....	1,524.22	2,541.70	641.18	1,783.77	3,569.90
Commercial power service.....	947.00	919.38	270.98	500.83	920.89
Municipal power.....		180.00			
Street lighting.....	1,096.00	1,286.00	880.00	1,225.08	1,970.70
Merchandise.....					
Miscellaneous.....	21.94	101.72	7.91		529.22
Total earnings.....	6,351.86	9,492.67	3,214.34	6,824.81	15,175.20
<hr/>					
EXPENSES					
Power purchased.....	3,068.43	4,862.35	1,600.95	5,070.82	9,276.01
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	72.85	20.03	61.76	337.68	603.79
Line transformer maintenance.....					
Meter maintenance.....					
Consumers' premises expenses.....					
Street lighting, operation and maintenance.....	114.37	76.73	10.20	127.11	229.44
Promotion of business.....					
Billing and collecting.....					
General office, salaries and expenses.....	550.52	533.41	77.74	198.24	806.30
Undistributed expenses.....					
Truck operation and maintenance.....					
Interest.....	248.92	711.79	201.98	383.10	661.23
Sinking fund and principal payments on debentures.....	1,049.37	1,284.85	477.55	425.30	1,094.01
Depreciation.....	548.00	736.00	334.00	444.00	720.00
Other reserves.....					
Total operating costs and fixed charges.....	5,652.46	8,225.16	2,764.18	6,986.25	13,390.78
Net surplus.....	699.40	1,267.51	450.16		1,784.42
Net loss.....				161.94	
<hr/>					
NUMBER OF CONSUMERS					
Domestic service.....	136	194	56	130	369
Commercial light service.....	41	51	16	47	95
Power service.....	3	5	2	7	10
Total.....	180	250	74	184	474

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1935

Victoria Harbor 1,164	Walker- ton 2,461	Waubau- shene P.V.	Wiar-ton 1,782	Winder- mere 127	Wingham 2,024	Wood- ville 442	GEORGIAN BAY SYSTEM SUMMARY
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
2,942.15	13,963.27	2,348.42	8,556.89	2,620.16	12,541.18	2,137.73	485,210.88
878.73	8,298.32	636.08	6,299.53	1,149.62	7,205.62	1,120.32	267,398.93
43.87	4,005.15	86.18	2,605.13	.....	9,028.82	741.36	277,943.28
88.73	616.91	93.17	1,526.53	.....	524.27	.....	25,208.95
702.00	2,562.59	448.70	2,300.00	455.00	3,384.00	581.00	106,620.41
.....	464.53	.....	11.06	.....	43.84	.....	1,119.86
6.78	96.81	96.06	121.59	28.05	431.97	211.70	16,107.25
4,662.26	30,007.58	3,708.61	21,420.73	4,252.83	33,159.70	4,792.11	1,179,609.56
.....
2,550.85	14,712.05	1,419.50	12,301.30	2,307.28	15,256.15	2,561.98	728,188.68
.....	.....	.....	.....	.....	1,501.22	.....	8,178.05
.....	.....	.....	.....	.....	.....	.....	207.50
105.53	1,378.85	165.00	580.93	72.36	2,551.31	485.06	48,937.17
.....	176.09	.....	8.35	.....	.....	.....	1,687.97
.....	603.05	.....	64.24	.....	90.78	.....	7,200.92
.....	.....	.....	.....	.....	.....	.....	388.05
92.28	545.08	99.31	204.16	21.03	746.85	47.85	12,853.87
.....	.....	.....	.....	.....	.....	.....	1,384.67
.....	1,423.90	.....	1,076.32	158.57	583.80	.....	31,157.35
358.22	1,207.72	301.40	213.77	26.91	879.27	289.78	32,042.85
.....	128.31	.....	80.04	14.63	376.99	.....	10,484.52
.....	281.72	.....	201.59	.....	78.01	.....	4,897.50
29.10	2,849.68	17.99	1,803.34	671.09	2,149.09	147.17	37,427.95
515.57	2,205.60	287.82	1,247.00	420.95	1,555.73	258.84	61,067.65
421.00	1,463.00	325.00	823.00	316.00	3,057.00	245.00	77,416.60
.....	.....	.....	.....	.....	.....	.....	3,000.00
.....
4,072.55	26,975.05	2,616.02	18,604.04	4,008.82	28,826.20	4,035.68	1,066,521.80
589.71	3,032.53	1,092.59	2,816.69	244.01	4,333.50	756.43	113,088.26
.....
.....
177	535	148	359	51	532	112	22,301
28	135	23	114	13	147	28	5,091
2	17	2	15	.....	24	2	692
207	687	173	488	64	703	142	28,084

STATEMENT

Detailed Operating Reports of Electrical Departments of

EASTERN ONTARIO
SYSTEM

Municipality.....	Alexandria	Apple Hill	Athens	Bath	Belleville
Population.....	1,945	P.V.	562	360	13,899
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	7,117.80	1,136.79	3,118.48	1,333.85	80,272.20
Commercial light service.....	4,489.93	857.65	1,357.08	756.20	52,456.15
Commercial power service.....	4,914.06	304.70	1,308.64		38,161.11
Municipal power.....	817.10				6,640.12
Street lighting.....	2,665.00	563.26	1,055.00	714.00	10,675.99
Merchandise.....					
Miscellaneous.....	258.69	1.76	94.75	95.53	4,447.00
Total earnings.....	20,262.58	2,864.16	6,933.95	2,899.58	192,652.57
EXPENSES					
Power purchased.....	10,727.77	1,501.18	3,815.99	1,909.79	119,475.02
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	891.42	80.90	243.24	6.07	3,356.23
Line transformer maintenance.....	74.50			6.99	184.66
Meter maintenance.....	223.27	11.45	87.85		1,502.06
Consumers' premises expenses.....					64.84
Street lighting, operation and maintenance.....	272.78	39.03	96.73	4.80	1,462.52
Promotion of business.....					1,011.71
Billing and collecting.....	959.45				4,219.83
General office, salaries and expenses.....	379.99	260.15	173.54	106.34	6,560.54
Undistributed expenses.....	98.10		2.42		1,493.00
Truck operation and maintenance.....					265.40
Interest.....	1,115.95	181.59	620.82	457.22	1,354.65
Sinking fund and principal payments on debentures.....	2,458.47	341.51	553.63	239.41	7,000.00
Depreciation.....	1,383.00	172.00	479.00	183.00	5,805.00
Other reserves.....	400.00				
Total operating costs and fixed charges.....	18,984.70	2,587.81	6,073.22	2,913.62	153,755.46
Net surplus.....	1,277.88	276.35	860.73		38,897.11
Net loss.....				14.04	
NUMBER OF CONSUMERS					
Domestic service.....	309	45	145	32	3,122
Commercial light service.....	109	22	44	16	629
Power service.....	15	1	1		94
Total.....	433	68	190	48	3,845

STATEMENT

Detailed Operating Reports of Electrical Departments of

EASTERN ONTARIO
SYSTEM—Continued

Municipality.....	Cobourg	Colborne	Deseronto	Finch	Hastings
Population.....	5,780	1,016	1,395	400	795
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	30,738.03	5,093.12	5,901.56	1,854.26	3,807.68
Commercial light service.....	18,615.48	3,323.44	2,406.03	1,377.87	1,691.08
Commercial power service.....	24,939.36	470.76	1,292.23	541.81	501.76
Municipal power.....	2,654.83	318.35	665.80		
Street lighting.....	5,617.04	1,416.00	1,542.00	570.00	1,275.55
Merchandise.....		359.18			
Miscellaneous.....	1,383.85	112.14	114.38	140.01	381.42
Total earnings.....	83,948.59	11,092.99	11,922.00	4,483.95	7,657.49
EXPENSES					
Power purchased.....	44,304.47	4,390.65	6,329.57	2,624.84	3,543.46
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	1,841.19	867.84	901.66	35.86	473.91
Line transformer maintenance.....	294.99	19.78			3.50
Meter maintenance.....	1,353.02	51.39	15.83	1.80	15.10
Consumers' premises expenses.....	208.99				
Street lighting, operation and maintenance.....	843.30	92.96	289.17	10.25	64.63
Promotion of business.....	287.23		90.85		
Billing and collecting.....	2,876.95		302.22		250.69
General office, salaries and expenses.....	3,726.68	1,211.37	652.36	244.79	91.31
Undistributed expenses.....	1,572.30	26.48	32.88		31.02
Truck operation and maintenance.....	164.93	291.54			
Interest.....	4,262.33	683.25	322.29	338.62	1,050.07
Sinking fund and principal payments on debentures.....	3,611.23	432.23	535.33	286.17	707.20
Depreciation.....	2,621.00	268.00	387.00	274.00	469.00
Other reserves.....					
Total operating costs and fixed charges.....	67,968.61	8,335.49	9,859.16	3,816.33	6,699.89
Net surplus.....	15,979.98	2,757.50	2,062.84	667.62	957.60
Net loss.....					
NUMBER OF CONSUMERS					
Domestic service.....	1,222	228	288	82	192
Commercial light service.....	249	78	73	30	56
Power service.....	48	4	8	1	5
Total.....	1,519	310	369	113	253

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1935

Havelock	Kemptville	Kingston	Lakefield	Lanark	Lancaster	Lindsay
1,119	1,272	23,678	1,335	623	609	6,979
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
5,457.28	6,939.85	122,946.78	6,006.00	2,869.03	2,187.87	40,437.69
2,495.43	4,451.28	82,368.56	3,564.17	1,274.30	1,478.87	25,897.42
2,551.53	4,721.34	106,410.83	1,444.03			26,775.00
		10,390.63				3,511.80
1,533.00	1,830.00	22,231.00	1,852.92	592.00	1,107.00	7,105.16
419.61	1,011.76	6,800.51	484.03	105.82	109.47	3,250.37
12,456.85	18,954.23	351,148.31	13,351.15	4,841.15	4,883.21	106,977.44
6,096.42	10,785.29	172,655.20	8,152.69	2,677.71	2,371.04	62,351.15
		5,181.29				
		3,026.73				
922.92	631.95	16,412.42	770.98	94.38	173.80	2,938.06
	59.43	847.42	24.44			541.21
	339.10	5,730.53	90.22	25.75	32.95	891.98
		1,871.18				480.08
123.36	187.31	3,338.75	285.86	39.48	43.34	1,631.51
	485.28	84.12				
	1,037.90	6,980.09	546.72			2,790.75
365.09	512.99	14,297.69	458.86	368.64	313.70	5,984.43
		8,608.78	98.20			1,293.50
214.02	284.46	4,252.94				69.79
873.33	1,083.73	3,966.34	1,627.66	176.50	152.63	4,926.75
1,995.04	714.95	9,280.50	937.70	521.84	799.00	5,268.63
907.00	992.00	21,843.00	1,217.00	280.00	296.00	3,790.00
		37,500.00				
11,497.18	17,114.39	315,876.98	14,210.33	4,184.30	4,182.46	92,957.84
959.67	1,839.84	35,271.33		656.85	700.75	14,019.60
			859.18			
273	334	5,758	317	157	86	1,919
58	78	892	69	36	33	341
3	7	145	5			73
334	419	6,795	391	193	119	2,333

STATEMENT

Detailed Operating Reports of Electrical Departments of

EASTERN ONTARIO
SYSTEM—Continued

Municipality.....	Madoc	Marmora	Martintown	Maxville
Population.....	1,088	984	P.V.	732
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	4,433.05	3,809.96	777.79	3,356.03
Commercial light service.....	3,521.87	1,741.47	887.03	2,551.39
Commercial power service.....	1,017.96	428.18		
Municipal power.....				
Street lighting.....	1,500.00	1,361.00	330.00	1,375.89
Merchandise.....				
Miscellaneous.....	50.42		7.02	36.40
Total earnings.....	10,523.30	7,340.61	2,001.84	7,319.71
EXPENSES				
Power purchased.....	5,983.66	3,732.99	1,019.97	3,917.25
Substation operation.....				
Substation maintenance.....				
Distribution system, operation and maintenance.....	970.95	90.58	55.76	244.05
Line transformer maintenance.....				
Meter maintenance.....	22.74	54.99	26.61	52.80
Consumers' premises expenses.....				
Street lighting, operation and maintenance.....	2.50	97.86	20.00	44.77
Promotion of business.....				
Billing and collecting.....				
General office, salaries and expenses..	914.80	512.18	132.48	296.27
Undistributed expenses.....				
Truck operation and maintenance.....				
Interest.....	24.67	366.83		367.86
Sinking fund and principal payments on debentures.....	493.35	817.60		971.01
Depreciation.....	400.00	588.00	144.00	515.00
Other reserves.....				
Total operating costs and fixed charges.....	8,812.67	6,261.03	1,398.82	6,409.01
Net surplus.....	1,710.63	1,079.58	603.02	910.70
Net loss.....				
NUMBER OF CONSUMERS				
Domestic service.....	260	204	36	143
Commercial light service.....	98	49	22	47
Power service.....	5	3		
Total.....	363	256	58	190

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1935

Napanee	Norwood	Omamee	Oshawa	Ottawa	Perth	Peterborough
2,935	761	509	22,506	135,300	4,057	22,869
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
25,974.96	4,517.98	2,402.83	169,724.70	461,225.81	23,404.39	130,305.16
14,007.40	2,299.10	1,331.05	63,867.55	170,159.06	15,473.85	68,644.55
11,246.13	671.05	2,128.66	214,928.88	53,435.83	17,394.68	88,959.45
229.17			8,314.16	20,325.24	1,967.95	6,983.25
4,705.72	1,575.00	971.08	11,706.94	75,524.89	2,338.00	21,758.43
					1,241.49	
1,083.34	545.33		5,534.46	5,442.58	3,040.53	1,041.09
57,246.72	9,608.46	6,833.62	474,076.69	786,113.41	64,860.89	317,691.93
29,687.22	3,551.77	3,687.80	379,914.66	365,261.17	35,213.08	188,498.19
				28,163.83	373.54	6,758.54
				1,192.94		299.20
3,115.57	527.59	442.44	4,638.71	23,122.83	1,618.43	6,077.95
90.11		19.80	188.15	3,008.44	184.03	1,507.83
677.41		85.17	2,285.72	10,104.93	496.97	5,287.56
58.52	1.20		417.89	3,914.09	65.74	682.41
348.94	86.30	55.27	1,765.91	29,681.82	725.97	4,006.57
219.39			235.87	10,010.05		188.75
1,468.63			7,325.51	44,362.61	1,761.89	7,731.54
4,434.14	436.67	234.45	7,318.32	27,851.12	3,641.18	6,359.63
1,300.14		46.96	3,683.10	16,015.48	266.81	4,866.65
103.97	212.70			2,282.81	543.83	3,055.24
1,033.05	1,601.26	142.63	10,846.82	37,166.38	3,212.72	27,371.64
2,616.90	1,153.04	854.26	12,139.48	21,970.57	2,043.99	14,263.54
1,580.00	1,100.00	612.00	10,085.00	76,744.00	3,506.00	16,903.00
					300.00	1,200.00
46,733.99	8,670.53	6,180.78	440,845.14	700,853.07	53,954.18	295,058.24
10,512.73	937.93	652.84	33,231.55	85,260.34	10,906.71	22,633.69
769	212	129	6,020	13,123	970	5,416
192	61	49	514	1,376	196	823
41	2	6	102	191	26	155
1,002	275	184	6,636	14,690	1,192	6,394

STATEMENT

Detailed Operating Reports of Electrical Departments of

EASTERN ONTARIO
SYSTEM—Continued

Municipality.....	Picton	Port Hope	Prescott	Richmond	Russell
Population.....	2,922	4,433	2,958	425	P.V.
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	22,733.04	29,325.31	16,966.78	1,738.00	2,614.88
Commercial light service.....	13,800.60	12,421.80	8,571.77	1,662.40	1,355.54
Commercial power service.....	5,976.31	26,416.07	3,750.91		
Municipal power.....	1,929.27	1,533.47	1,647.75		
Street lighting.....	3,738.45	4,631.00	3,475.00	418.32	752.00
Merchandise.....	1,020.41				
Miscellaneous.....	1,653.33	311.78	130.43	7.01	44.43
Total earnings.....	50,851.41	74,639.43	34,542.64	3,825.73	4,766.85
EXPENSES					
Power purchased.....	33,619.92	42,112.06	21,793.88	2,548.49	2,577.30
Substation operation.....			1,405.15		
Substation maintenance.....					
Distribution system, operation and maintenance.....	2,086.79	1,756.34	1,953.15	80.00	83.98
Line transformer maintenance.....	35.36	124.85			
Meter maintenance.....	58.76	1,107.40	439.89	10.25	
Consumers' premises expenses.....	0.62		12.35		
Street lighting, operation and maintenance.....	242.30	1,086.30	404.07	22.61	62.93
Promotion of business.....	271.45				
Billing and collecting.....	1,252.83	1,579.70	1,100.90		
General office, salaries and expenses.....	2,548.13	3,014.26	2,133.87	229.51	370.35
Undistributed expenses.....	251.97	925.92	473.32		
Truck operation and maintenance.....	329.01	347.73			
Interest.....	76.72	727.08		316.06	391.95
Sinking fund and principal payments on debentures.....		2,953.32		250.64	464.34
Depreciation.....	2,152.00	2,060.00	3,038.00	211.00	293.00
Other reserves.....					
Total operating costs and fixed charges.....	42,925.86	57,794.96	32,754.08	3,668.56	4,243.85
Net surplus.....	7,925.55	16,844.47	1,788.56	157.17	523.00
Net loss.....					
NUMBER OF CONSUMERS					
Domestic service.....	994	1,223	662	56	111
Commercial light service.....	200	201	163	25	34
Power service.....	30	47	19		
Total.....	1,224	1,471	844	81	145

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1935

Smiths Falls 7,517	Stirling 935	Trenton 6,241	Tweed 1,247	Wark- worth P.V.	Wellington 916	Westport 704	Whitby 3,732
\$ c.	\$ c.	\$ c.	\$z c.	\$ c.	\$ c.	\$ c.	\$ c.
43,066.32	5,422.75	26,445.61	6,085.79	2,360.65	4,874.01	3,017.86	20,361.24
15,735.69	3,649.39	18,026.93	4,636.73	1,569.74	2,002.49	2,520.91	10,357.44
24,017.28	1,562.30	68,474.16	2,427.40		2,015.33		15,075.22
564.04	275.90	1,711.33	234.47				2,387.70
7,424.00	1,606.00	8,057.25	1,875.00	605.34	1,014.68	1,219.98	4,010.59
129.35	49.15						
3,843.98	319.78	1,770.80	248.24	144.31		136.82	1,928.59
94,780.66	12,885.27	124,486.08	15,507.63	4,680.04	9,906.51	6,895.57	54,120.78
43,859.56	6,445.03	71,009.45	7,924.27	2,560.63	6,461.51	4,237.49	30,429.52
966.29	204.44						152.81
60.25		40.76					
3,581.17	949.60	2,359.78	845.13	30.10	848.64	203.94	2,408.27
11.79	17.50	85.42				27.46	76.60
432.27	94.92	1,499.03	223.15	15.04			800.52
	5.10	216.78					
647.91	190.31	575.76	320.66	43.03	81.19	121.38	585.88
656.43		66.80					659.48
2,856.19	475.82	2,746.54	627.88				1,204.08
2,957.57	1,018.78	5,037.69	734.16	186.28	570.12	631.81	1,498.95
898.44	52.73	1,641.05	119.51		49.30	16.63	257.74
396.89	207.40					36.33	281.10
3,381.15		6,570.58	497.90	549.97	503.71	711.13	1,746.16
13,855.99		5,888.61	710.30	249.17	725.93	505.15	2,454.90
6,108.00	913.00	4,021.00	480.00	218.00	738.00	220.00	3,075.00
250.00							
80,919.90	10,574.63	101,759.25	12,482.96	3,852.22	9,978.40	6,711.32	45,631.01
13,860.76	2,310.64	22,726.83	3,024.67	827.82		184.25	8,489.77
					71.89		
1,727	279	1,287	261	116	295	93	846
269	87	260	89	41	65	50	159
45	9	54	11		5		20
2,041	375	1,601	361	157	365	143	1,025

STATEMENT

Detailed Operating Reports of Electrical Departments of

EASTERN ONTARIO
SYSTEM—Concluded

Municipality.....	Williamsburg	Winchester	EASTERN ONTARIO SYSTEM SUMMARY
Population.....	P.V.	943	
EARNINGS	\$ c.	\$ c.	\$ c.
Domestic service.....	3,962.03	6,484.19	1,473,416.17
Commercial light service.....	7,563.38	3,262.38	716,508.47
Commercial power service.....	240.82	1,479.58	868,105.04
Municipal power.....			79,402.95
Street lighting.....	240.00	1,062.00	249,677.07
Merchandise.....		69.27	3,098.83
Miscellaneous.....	285.64	392.29	56,917.60
Total earnings.....	12,291.87	12,749.71	3,447,126.13
EXPENSES			
Power purchased.....	5,758.40	8,173.16	1,964,816.35
Substation operation.....			48,375.89
Substation maintenance.....			5,310.82
Distribution system, operation and maintenance.....	446.97	339.69	98,484.88
Line transformer maintenance.....			7,968.25
Meter maintenance.....		43.80	38,215.73
Consumers' premises expenses.....	8.99	6.54	8,107.30
Street lighting, operation and main- tenance.....	76.15	128.88	53,376.84
Promotion of business.....			14,966.43
Billing and collecting.....		480.85	102,142.77
General office, salaries and expenses..	716.11	320.43	123,174.61
Undistributed expenses.....			46,430.81
Truck operation and maintenance.....			14,878.96
Interest.....		341.70	128,229.34
Sinking fund and principal payments on debentures.....		432.00	129,322.36
Depreciation.....	215.00	645.00	192,960.00
Other reserves.....	100.00		43,415.00
Total operating costs and fixed charges.....	7,321.62	10,912.05	3,020,176.34
Net surplus.....	4,970.25	1,837.66	426,949.79
Net loss.....			
NUMBER OF CONSUMERS			
Domestic service.....	112	279	56,058
Commercial light service.....	65	69	9,122
Power service.....	1	2	1,325
Total.....	178	350	66,505

"B"—Concluded

Hydro Municipalities for Year Ended December 31, 1935

THUNDER BAY
SYSTEM

Fort William 24,492	Nipigon	Port Arthur 19,459	THUNDER BAY SYSTEM SUMMARY	ALL SYSTEMS GRAND SUMMARY
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
203,134.22	2,817.18	111,528.77	317,480.17	12,145,219.89
66,386.78	2,319.21	55,810.18	124,516.17	6,458,748.57
43,901.46	238.62	698,208.88	742,348.96	10,211,968.71
23,500.26	657.95	34,255.73	58,413.94	1,821,285.82
17,439.54	510.00	18,984.96	36,934.50	1,788,760.38
7,439.37		16,394.51	23,833.88	21,669.98
361,801.63	6,542.96	935,183.03	1,303,527.62	562,285.82
231,764.17	2,669.78	721,957.70	956,391.65	20,053,676.40
6,694.28		21,484.95	28,179.23	478,813.83
1,239.41		1,403.58	2,642.99	297,127.27
11,252.09	250.30	14,903.15	26,405.54	840,633.88
1,703.68	11.44	1,124.08	2,839.20	70,749.63
7,085.04	26.97	5,582.81	12,694.82	313,234.11
51.62			51.62	340,761.52
6,149.74		8,086.36	14,236.10	340,120.36
10,547.20		1,968.78	1,968.78	252,648.33
6,203.57	801.80	9,758.94	20,306.14	835,375.90
3,545.20		12,019.93	19,025.30	943,880.18
1,693.61		2,988.55	6,533.75	360,676.96
15,430.97	326.55	1,323.28	3,016.89	95,150.54
7,943.17	486.84	13,420.99	29,178.51	2,040,130.35
12,755.00	530.00	5,347.91	13,777.92	2,423,088.34
1,898.84		27,204.68	40,489.68	2,004,568.72
		4,000.00	5,898.84	71,753.52
325,957.59	5,103.68	852,575.69	1,183,636.96	31,762,389.84
35,844.04	1,439.28	82,607.34	119,890.66	1,247,549.33
5,325	141	4,345	9,811	462,048
901	41	756	1,698	72,952
103	2	93	198	12,785
6,329	184	5,194	11,707	547,785

STATEMENT "C"

Street Lighting Installation in Hydro Municipalities, December 31, 1935; showing Rate per Lamp, Cost to Municipality in 1935, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Rate per lamp per annum	*Cost to municipality in 1935	Cost per capita	
				\$ c.	\$ c.	\$ c.	
Acton.....	1,808	{ 128 5 8 60 1 4	{ 80 c.p. 80 c.p. 60 watt 100 watt 150 watt 300 watt	{ s s m m m m	{ 9.00 12.00 4.00 9.00 12.00 20.00	{ 1,866.90 1.03	
Agincourt.....		58	100 watt	m	13.00	793.00	**
Ailsa Craig.....	468	{ 61 1	{ 100 watt 200 watt	{ m m	{ 10.00 18.00	{ 628.00	{ 1.34
Alexandria.....	1,945	{ 95 42	{ 100 watt 200 watt	{ m m	{ 17.00 25.00	{ 2,665.00	{ 1.37
Alliston.....	1,412	{ 12 103	{ 80 c.p. 100 watt	{ s m	{ 17.50 17.50	{ 2,012.50	{ 1.42
Alvinston.....	620	{ 84 6	{ 100 watt 200 watt	{ m m	{ 20.00 29.00	{ 1,854.00	{ 2.99
Amherstburg.....	3,044	{ 82 9 26 12	{ 100 c.p. 250 c.p. 200 watt 300 watt	{ s s m m	{ 15.00 30.00 20.00 30.00	{ 2,351.69	{ ††
Ancaster Twp.....		{ 32 49	{ 100 watt 150 watt	{ m m	{ 12.50 15.00	{ 1,135.00	{ **
Apple Hill.....		33	100 watt	m	17.00	563.26	**
Arkona.....	391	50	100 watt	m	20.00	996.63	2.54
Arthur.....	1,034	92	100 watt	m	19.00	1,748.00	1.69
Athens.....	562	{ 40 23	{ 100 watt 200 watt	{ m m	{ 12.00 25.00	{ 1,055.00	{ 1.87
Aylmer.....	1,985	{ 173 24 1	{ 100 watt 300 watt Traffic light	{ m m m	{ 10.00 25.00 40.00	{ 2,367.00	{ 1.20
Ayr.....	769	{ 92 3	{ 100 watt 500 watt	{ m m	{ 10.00 36.00	{ 1,028.00	{ 1.35
Baden.....		69	100 watt	m	10.00	690.00	**

NOTE: *The "Cost to Municipality in 1935" represents the charges billed to the municipality by the utility for street lighting service in the calendar year. This total charge differs in some cases from the total computed for the installation at the rates shown, for the following reasons:—FIRST: Certain equipment may have been in service less than twelve months. SECOND: More equipment than shown for December 31, may have been in service earlier in the year.

**Population not shown in Government statistics. s Series system. m Multiple system.

††Certain additional street lighting costs for special service are paid direct in form of debenture charges.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1935; showing Rate per Lamp, Cost to Municipality in 1935, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Rate per lamp per annum	Cost to municipality in 1935	Cost per capita
				\$ c.	\$ c.	\$ c.
Barrie.....	7,725	{ 468	150 c.p. s	9.00	6,149.74	0.79
		{ 15	100 watt m	17.00		
		{ 3	200 watt m	15.00		
		{ 48	(6 mos.) 200 watt m	22.00		
		{ 13	300 watt m	25.00		
		{ 1	500 watt m	30.00		
Bath.....	360	21	100 watt m	34.00	714.00	1.98
Beachville.....		47	100 watt m	11.00	517.00	**
Beaverton.....	932	{ 105	100 watt m	10.00	1,295.04	1.39
		{ 10	100 watt m	7.00		
		{ 6	(6 mos.) 500 watt m	30.00		
Beeton.....	621	{ 65	100 c.p. s	15.00	1,185.00	1.91
		{ 14	100 watt m	15.00		
Belle River.....	742	78	100 watt m	12.00	930.00	1.25
Belleville.....	13,899	{ 555	100 c.p. s	8.00	10,675.99	0.76
		{ 23	250 c.p. s	25.00		
		{ 52	1,000 c.p. s	47.00		
		{ 105	300 watt m	30.00		
Blenheim.....	1,664	{ 164	150 c.p. s	12.00	2,512.00	††
		{ 3	400 c.p. s	28.00		
		{ 12	600 c.p. s	37.00		
		{ 1	Traffic light	16.00		
Bloomfield.....	677	60	100 c.p. s	12.00	720.00	1.06
Blyth.....	615	100	100 watt m	13.00	1,300.00	2.11
Bolton.....	560	{ 45	100 watt m	13.00	1,113.96	1.98
		{ 23	200 watt m	23.00		
Bothwell.....	698	{ 66	100 watt m	11.00	1,293.00	1.85
		{ 21	300 watt m	27.00		
Bowmanville.....	3,602	{ 177	100 c.p. s	12.00	3,746.50	1.04
		{ 4	150 watt m	25.00		
		{ 42	300 watt m	35.00		
Bradford.....	1,002	{ 60	150 c.p. s	16.00	1,072.00	1.07
		{ 7	150 watt m	16.00		
Brampton.....	5,487	{ 667	100 watt m	8.00	5,490.50	1.00
		{ 2	500 watt m	35.00		
Brantford.....	30,691	{ 149	1,500 c.p. s	45.00	32,653.90	††
		{ 3,413	100 watt m	7.50		
		{ 8	250 watt m	10.00		
		{ 2	300 watt m	16.00		
		{ 18	750 watt m	37.00		
		{ 4	750 watt m	46.00		

**Population not shown in Government statistics. s Series system. m Multiple system.

††Certain additional street lighting costs for special service are paid direct in form of debenture charges.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1935; showing
Rate per Lamp, Cost to Municipality in 1935, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps		Rate per lamp per annum	Cost to municipality in 1935	Cost per capita
Brantford Twp..		375	100 watt	<i>m</i>	\$ c. 11.00	\$ c. 4,084.67	\$ c. **
Brechin....	†	26	100 watt	<i>m</i>	18.00	594.00	**
Bridgeport.....		{ 12 57	100 watt 100 watt	<i>m</i> <i>m</i>	{ 7.00 10.00	654.00	**
Brigden.....		{ 43 21	60 watt 100 watt	<i>m</i> <i>m</i>	{ 11.00 14.00	750.50	**
Brighton.....	1,427	137	100 c.p.	<i>s</i>	16.00	2,191.92	1.53
Brockville.....	9,818	{ 600 13 9 35 51	100 c.p. 300 c.p. 1 Lt. Stds. 3 Lt. Stds. 5 Lt. Stds.	<i>s</i> <i>s</i> <i>s</i> <i>s</i> <i>s</i>	{ 10.00 20.00 17.00 21.00 24.00	8,634.25	0.87
Brussels.....	786	{ 80 18	100 watt 200 watt	<i>m</i> <i>m</i>	{ 12.00 18.00	1,286.00	1.63
Burford.....		67	100 watt	<i>m</i>	10.00	670.08	**
Burgessville.....		24	100 watt	<i>m</i>	13.00	312.00	**
Caledonia.....	1,300	{ 152 20 8 2	100 watt 100 watt (bridge) 100 watt (twp.) 300 watt	<i>m</i> <i>m</i> <i>m</i> <i>m</i>	{ 9.00 9.50 13.00 21.00	1,704.00	1.31
Campbellville.....		20	100 watt	<i>m</i>	24.00	480.00	**
Cannington.....	786	{ 62 3 3	100 watt 300 watt 500 watt	<i>m</i> <i>m</i> <i>m</i>	{ 15.00 22.00 32.00	1,085.75	1.38
Cardinal.....	1,428	{ 44 12	100 watt 200 watt	<i>m</i> <i>m</i>	{ 15.00 21.00	924.50	0.65
Carleton Place..	4,186	{ 83 101 68	60 watt 200 watt 300 watt	<i>m</i> <i>m</i> <i>m</i>	{ 13.00 20.00 25.00	4,791.42	1.14
Cayuga.....	668	80	100 watt	<i>m</i>	18.00	1,440.00	2.15
Chatham.....	16,284	{ 35 716 32 37 75 137 2	150 c.p. 150 c.p. 250 c.p. 600 c.p. 600 c.p. 1,000 c.p. 250 watt Park floodlights	<i>s</i> <i>s</i> <i>s</i> <i>s</i> <i>s</i> <i>s</i> <i>m</i>	{ 12.00 13.00 16.00 31.00 30.00 38.00 24.00 357.50	19,215.26	††

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.

††Certain additional street lighting costs for special service are paid direct in form of debenture charges.

‡Includes Mara and Torah Townships.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1935; showing
Rate per Lamp, Cost to Municipality in 1935, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps		Rate per lamp per annum	Cost to municipality in 1935	Cost per capita
Chatsworth.....	302	41	100 watt	<i>m</i>	\$ c. 14.00	\$ c. 574.00	\$ c. 1.90
Chesley.....	1,794	117	150 c.p.	<i>s</i>	13.00	1,512.33	0.86
Chesterville.....	970	86	100 watt	<i>m</i>	12.00	1,032.00	1.06
Chippawa.....	1,143	103	100 watt	<i>m</i>	13.00	1,312.62	1.14
Clifford.....	423	62	100 watt	<i>m</i>	14.00	868.00	2.05
Clinton.....		{ 80 18	100 watt 200 watt	<i>m</i> <i>m</i>	12.00 18.00	1,286.00	0.69
Cobden.....	637	{ 39 11	100 watt 150 watt	<i>m</i> <i>m</i>	35.00 45.00	‡2,015.00	2.92
Cobourg.....	5,780	{ 388 4 4 2 14	100 c.p. 250 c.p. 500 c.p. 100 watt 500 watt	<i>s</i> <i>s</i> <i>s</i> <i>m</i> <i>m</i>	12.00 23.00 47.50 12.00 47.50	5,617.04	0.97
Colborne.....	1,016	{ 115 3	60 c.p. 100 watt	<i>s</i> <i>m</i>	12.00 12.00	1,416.00	1.39
Coldwater.....	608	52	100 watt	<i>m</i>	11.00	572.00	0.94
Collingwood.....	5,416	357	150 c.p.	<i>s</i>	9.00	3,207.00	0.59
Comber.....		55	100 watt	<i>m</i>	12.00	621.00	**
Cookstown.....		56	150 c.p.	<i>s</i>	15.00	840.00	**
Cottam.....		32	100 watt	<i>m</i>	15.00	480.00	**
Courtright.....	332	43	100 watt	<i>m</i>	18.00	774.00	2.33
Creemore.....	656	59	100 watt	<i>m</i>	12.00	708.00	1.08
Dashwood.....		41	100 watt	<i>m</i>	11.00	450.97	††
Delaware.....		22	100 watt	<i>m</i>	12.00	264.00	**
Deseronto.....	1,395	130	100 watt	<i>m</i>	12.00	1,542.00	1.10
Dorchester.....		67	100 watt	<i>m</i>	10.00	650.00	**
Drayton.....	569	75	100 watt	<i>m</i>	11.00	825.00	1.45
Dresden.....	1,479	{ 128 12 15	100 c.p. 100 watt 50 watt	<i>s</i> <i>m</i> <i>m</i>	13.00 12.00 4.56	1,856.76	1.25
Drumbo.....		{ 39 1	100 watt 250 watt (6 mos.)	<i>m</i> <i>m</i>	13.00 31.00	522.00	**
Dublin.....		50	100 watt	<i>m</i>	15.00	750.00	**

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.

††Certain additional street lighting costs for special service are paid direct in form of debenture charges.

‡Thirteen months' revenue.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1935; showing
Rate per Lamp, Cost to Municipality in 1935, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps		Rate per lamp per annum	Cost to municipality in 1935	Cost per capita
Dundalk.....	709	82	100 watt	<i>m</i>	\$ c. 15.00	\$ c. 1,230.00	\$ c. 1.73
Dundas.....	4,983	{ 286 12 54 6	100 watt 200 watt 200 watt 200 watt (orn.)	<i>m</i> <i>m</i> <i>m</i> <i>m</i>	{ 12.00 16.00 32.00 26.00	5,508.00	1.10
Dunnville.....	3,746	{ 247 27	150 c.p. 1,000 c.p.	<i>s</i> <i>s</i>	{ 11.00 45.00	3,958.44	1.05
Durham.....	1,825	{ 105 6	150 c.p. 400 c.p.	<i>s</i> <i>s</i>	{ 17.00 25.00	1,935.00	1.06
Dutton.....	780	113	100 watt	<i>m</i>	9.00	1,021.44	1.31
East Windsor.....	14,606	{ 818 74	100 watt 150 watt	<i>m</i> <i>m</i>	{ 9.00 14.00	8,419.92	††
East York Twp.		{ 1 945 4 2 252 15	60 watt 100 watt 200 watt 250 watt 300 watt 500 watt	<i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i>	{ 7.80 13.00 19.50 22.75 26.00 29.00	19,497.90	**
Elmira.....	2,650	{ 190 8 1	100 watt 200 watt 500 watt	<i>m</i> <i>m</i> <i>m</i>	{ 9.00 12.00 28.00	1,834.00	0.61
Elmvale.....		57	100 watt	<i>m</i>	12.00	621.00	**
Elmwood.....		23	150 watt	<i>m</i>	23.00	529.00	**
Elora.....	1,133	{ 82 27	100 watt 200 watt	<i>m</i> <i>m</i>	{ 14.00 20.00	1,675.16	1.47
Embro.....	408	56	100 watt	<i>m</i>	12.00	678.00	1.66
Erieau.....	281	21	100 watt	<i>m</i>	18.00	378.00	1.34
Essex.....	1,689	{ 121 30 4 61 1	60 watt 100 watt 200 watt 300 watt 500 watt	<i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i>	{ 10.00 10.00 22.00 24.00 30.00	3,091.92	1.83
Etobicoke Twp.		{ 966 22	100 watt 100 watt	<i>m</i> <i>m</i>	{ 13.50 18.00	13,437.00	**
Exeter.....	1,597	{ 168 32 3	100 watt 300 watt 100 watt (Park)	<i>m</i> <i>m</i> <i>m</i>	{ 9.50 33.00 8.50	2,231.18	1.40
Fergus.....	2,520	{ 151 41	100 watt 150 watt	<i>m</i> <i>m</i>	{ 14.00 16.50	2,773.28	1.10

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.

††Certain additional street lighting costs for special service are paid direct in form of debenture charges.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1935; showing Rate per Lamp, Cost to Municipality in 1935, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Rate per lamp per annum	Cost to municipality in 1935	Cost per capita
Finch.....	400	38	100 watt <i>m</i>	\$ c. 15.00	\$ c. 570.00	\$ c. 1.42
Flesherton.....	469	{ 53 1 1	{ 100 watt <i>m</i> 300 watt <i>m</i> 60 watt <i>m</i> (9 mos.)	{ 11.00 26.00 6.00	615.00	1.31
Fonthill.....	808	71	100 watt <i>m</i>	15.00	1,065.00	1.31
Forest.....	1,496	{ 131 123	{ 60 watt <i>m</i> 100 watt <i>m</i> Station platform <i>m</i>	{ 7.00 11.00 51.00	2,321.00	1.55
Fort William.....	24,492	{ 390 16 76 249 170 64	{ 100 c.p. <i>s</i> 250 c.p. <i>s</i> 600 c.p. <i>s</i> 1,000 c.p. <i>s</i> 100 watt <i>m</i> 300 watt <i>m</i>	{ 8.00 18.00 28.00 38.00 8.00 23.00	17,439.54	0.71
Galt.....	13,715	{ 975 316 100 18 152 70	{ 100 c.p. <i>s</i> 75 watt <i>m</i> 100 watt <i>m</i> 150 watt <i>m</i> 150 watt <i>m</i> 300 watt <i>m</i>	{ 9.00 13.00 12.00 16.00 25.00 35.00	20,621.00	1.50
Georgetown†	2,203	{ 174 1 17	{ 100 watt <i>m</i> 300 watt <i>m</i> 100 watt <i>m</i>	{ 11.00 19.00 13.00	2,153.20	
Glencoe.....	833	{ 112 19	{ 100 watt <i>m</i> 200 watt <i>m</i>	{ 14.00 20.00	1,948.00	2.33
Goderich.....	4,383	{ 324 3 8 8 16	{ 100 c.p. <i>s</i> 100 c.p. (6 mos.) <i>s</i> 100 watt <i>m</i> 200 watt <i>m</i> 3 Lt. stds. <i>m</i>	{ 9.00 4.50 15.00 25.00 35.00	3,809.50	0.86
Grand Valley.....	575	52	100 watt <i>m</i>	17.00	884.00	1.53
Granton.....		37	100 watt <i>m</i>	10.00	370.00	**
Gravenhurst.....	1,985	{ 138 20 21 16	{ 100 c.p. <i>s</i> 150 c.p. <i>s</i> 100 watt <i>m</i> 300 watt <i>m</i>	{ 10.00 11.00 10.00 30.00	2,142.31	1.08
Guelph.....	20,882	{ 12 6 1,369 172 35 9 53 1	{ 50 watt <i>m</i> 60 watt <i>m</i> 100 watt <i>m</i> 200 watt <i>m</i> 300 watt <i>m</i> 500 watt <i>m</i> 500 watt (250v) <i>m</i> Airport beacon <i>m</i>	{ 4.00 4.00 10.00 12.50 18.75 25.00 34.00 60.00	18,622.02	0.89

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.

†Includes Glen Williams

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1935; showing
Rate per Lamp, Cost to Municipality in 1935, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps		Rate per lamp per annum	Cost to municipality in 1935	Cost per capita
Hagersville.....	1,399	{ 114 20	100 watt 300 watt	<i>m</i> <i>m</i>	\$ c. 14.00 22.00	\$ c. 2,026.50	\$ c. 1.45
Hamilton.....	154,276	{ 6 96 8,291 1,168 8 28 77 25 480 592 65 3 2	40 watt 50 watt 100 watt 200 watt 300 watt 300 watt 300 watt 300 watt 500 watt 500 watt 750 watt Danger signals 1200 watt stds.	<i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i>	4.50 6.00 7.50 11.00 18.00 26.00 32.00 34.00 32.00 37.00 55.00 28.00 70.00	123,956.32	0.80
Hanover.....	3,006	{ 93 16 4 13	150 c.p. 250 c.p. 100 watt 200 watt	<i>s</i> <i>s</i> <i>m</i> <i>m</i>	22.00 27.00 22.00 27.00	2,893.50	0.92
Harriston.....	1,329	{ 89 4 29	150 c.p. 100 watt 200 watt	<i>s</i> <i>m</i> <i>m</i>	12.00 12.00 15.00	1,551.00	1.16
Harrow.....	934	{ 1 78	100 watt 200 watt	<i>m</i> <i>m</i>	12.00 16.50	1,299.00	1.39
Hastings.....	795	{ 61 6	100 watt 200 watt	<i>m</i> <i>m</i>	18.00 23.00	1,275.55	1.60
Havelock.....	1,119	{ 63 21	100 watt 250 watt	<i>m</i> <i>m</i>	16.00 25.00	1,533.00	1.37
Hensall.....	697	83	100 watt	<i>m</i>	12.00	996.00	1.43
Hespeler.....	2,853	{ 91 34 15 51 10 7	150 c.p. 250 c.p. 400 c.p. stds. 150 watt 300 watt 300 watt stds.	<i>s</i> <i>s</i> <i>s</i> <i>m</i> <i>m</i> <i>m</i>	12.00 16.00 30.00 11.00 21.50 35.00	3,107.00	1.09
Highgate.....	334	{ 40 6 1	100 watt 200 watt 300 watt	<i>m</i> <i>m</i> <i>m</i>	11.00 17.00 25.00	567.00	1.70
Holstein.....		14	100 watt	<i>m</i>	25.00	350.00	**
Humberstone....	2,487	{ 104 7	100 watt 200 watt	<i>m</i> <i>m</i>	12.00 17.00	1,367.00	0.55
Huntsville.....	2,651	{ 47 26 28 68	100 c.p. 150 c.p. 250 c.p. 75 watt	<i>s</i> <i>s</i> <i>s</i> <i>m</i>	12.00 16.00 20.00 10.00	2,488.05	0.93

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STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1935; showing Rate per Lamp, Cost to Municipality in 1935, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Rate per lamp per annum	Cost to municipality in 1935	Cost per capita
				\$ c.	\$ c.	\$ c.
Ingersoll.....	4,919	{ 13 310 2 2 26 11	{ 100 c.p. s (park 6 mos.) 100 c.p. s 600 c.p. s 1,000 c.p. s (church) 1,000 c.p. s 300 watt m	{ 5.50 11.00 28.00 25.00 35.00 30.00	4,851.48	††
Jarvis.....	535	70	100 watt m	12.00	840.00	1.57
Kemptville.....	1,272	{ 90 1	{ 100 watt m 250 watt m	{ 20.00 30.00	1,830.00	1.44
Kincardine.....	2,354	{ 151 5 20 36 1	{ 150 c.p. s 100 watt m (docks) 100 watt m 200 watt m 1,000 watt m (9 mos.)	{ 20.00 10.00 15.00 25.00 85.00	4,333.75	1.84
Kingston.....	23,678	{ 98 267 256	{ 100 c.p. s 600 c.p. s 600 c.p. s	{ 12.00 35.00 46.00	22,231.00	0.94
Kingsville.....	2,354	{ 112 25 122	{ 150 c.p. s 250 c.p. s 100 watt m	{ 10.50 15.00 10.50	2,973.96	††
Kirkfield.....		24	100 watt m	20.00	480.00	**
Kitchener.....	31,328	{ 47 2,044 83 18 202 447 50 109	{ 16 c.p. s 80 c.p. s 250 c.p. s 1,000 c.p. s 100 watt m 200 watt m 300 watt m 500 watt m	{ 7.00 9.00 13.00 25.00 9.00 15.00 17.50 25.00	32,330.30	††
Lakefield.....	1,335	109	100 watt m	17.00	1,852.92	1.38
Lambeth.....		36	100 watt m	12.00	432.00	**
Lanark.....	623	37	100 watt m	16.00	592.00	0.95
Lancaster.....	609	41	100 watt m	27.00	1,107.00	1.81
La Salle.....	671	66	Empty sockets m	7.50	495.00	0.73
Leamington.....	5,004	{ 176 4 193	{ 250 c.p. s 400 c.p. s 100 watt m	{ 16.00 20.00 15.00	5,782.98	††
Lindsay.....	6,979	{ 416 27	{ 100 c.p. s 1,000 c.p. s	{ 13.00 65.00	7,105.16	1.01

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STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1935; showing
Rate per Lamp, Cost to Municipality in 1935, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps		Rate per lamp per annum	Cost to municipality in 1935	Cost per capita
					\$ c.	\$ c.	\$ c.
Listowel.....	2,755	{ 162 118 8 26 3	60 watt 100 watt 200 watt 300 watt 500 watt	<i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i>	9.00 11.00 25.00 30.00 35.00	3,840.60	1.39
London.....	73,880	{ 94 8 1,936 114 309 32 277 2 53 30 4 12 27 534 42 11 47	100 c.p. 150 c.p. 150 c.p. 400 c.p. 400 c.p. 600 c.p. 600 c.p. 50 watt 100 watt 100 watt 150 watt 200 watt 200 watt 300 watt 300 watt 500 watt 500 watt	<i>s</i> <i>s</i> <i>s</i> <i>s</i> <i>s</i> <i>s</i> <i>s</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i>	10.00 10.00 11.00 18.00 24.00 28.00 30.00 5.00 10.00 14.00 12.00 9.34 14.00 18.00 20.00 25.00 40.00	54,843.84	††
London Twp.....		{ 70 1	100 watt 200 watt	<i>m</i> <i>m</i>	12.00 16.50	856.50	**
Long Branch.....	3,776	{ 270 25	100 watt Empty sockets	<i>m</i> <i>m</i>	13.00 9.50	3,741.37	0.99
Lucan.....	604	71	100 watt	<i>m</i>	14.00	994.02	1.64
Lucknow.....	1,055	73	100 watt	<i>m</i>	21.00	1,531.25	1.45
Lynden.....		43	100 watt	<i>m</i>	10.00	430.00	**
Madoc.....	1,088	{ 382 62 1	25 watt 100 watt 300 watt	<i>m</i> <i>m</i> <i>m</i>	3.50 5.50 11.50	1,500.00	1.37
Markdale.....	793	90	150 c.p.	<i>s</i>	10.00	900.00	1.13
Markham.....	1,092	112	100 watt	<i>m</i>	12.00	1,344.00	1.23
Marmora.....	984	{ 44 24 19	75 watt 100 watt 150 watt	<i>m</i> <i>m</i> <i>m</i>	14.00 16.00 19.00	1,361.00	1.38
Martintown.....		15	100 watt	<i>m</i>	22.00	330.00	**
Maxville.....	732	65	100 watt	<i>m</i>	20.00	1,375.89	1.88
Meaford.....	2,722	{ 180 28 35	150 c.p. 100 watt 200 watt	<i>s</i> <i>m</i> <i>m</i>	11.00 11.00 19.00	2,953.00	1.08
Merlin.....		43	100 watt	<i>m</i>	16.00	688.00	**

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STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1935; showing
Rate per Lamp, Cost to Municipality in 1935, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps		Rate per lamp per annum	Cost to municipality in 1935	Cost per capita
Merritton.....	2,557	{ 305 25	100 watt 300 watt	<i>m</i> <i>m</i>	\$ c. 9.00 25.00	\$ c. 3,368.50	\$ c. 1.31
Midland.....	7,250	{ 328 52 80 8 30 36	150 c.p. 100 watt 100 watt (6 mos.) 300 watt (6 mos.) 300 watt 500 watt	<i>s</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i>	11.00 11.00 7.50 12.00 22.00 40.00	6,907.42	0.95
Mildmay.....	741	{ 46 11	100 watt 150 watt	<i>m</i> <i>m</i>	12.00 19.00	738.42	0.99
Milton.....	1,775	{ 205 3	100 watt 300 watt	<i>m</i> <i>m</i>	9.50 30.00	2,037.96	1.14
Milverton.....	996	{ 95 12	100 watt 200 watt	<i>m</i> <i>m</i>	9.00 12.00	999.00	1.00
Mimico.....	6,733	{ 330 91 47	100 watt 200 watt 300 watt	<i>m</i> <i>m</i> <i>m</i>	12.00 20.00 26.00	7,005.34	1.04
Mitchell.....	1,526	232	150 c.p.	<i>s</i>	9.00	2,088.00	1.36
Moorefield.....		25	100 watt	<i>m</i>	15.00	375.00	**
Mount Brydges.....		{ 52 1	100 watt 200 watt	<i>m</i> <i>m</i>	10.00 17.00	537.00	**
Mount Forest.....	1,826	{ 119 35 39	150 c.p. 100 watt 150 watt	<i>s</i> <i>m</i> <i>m</i>	11.00 11.00 14.00	2,240.00	1.22
Napanee.....	2,935	{ 152 2 2 40 5 21	100 watt 250 watt 250 watt 300 watt 300 watt stds. 400 watt (clusters)	<i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i>	13.00 32.00 31.00 38.00 27.00 45.00	4,705.72	1.60
Neustadt.....	491	39	150 c.p.	<i>s</i>	25.00	975.00	1.98
Newbury.....	265	47	100 watt	<i>m</i>	15.00	705.00	2.66
New Hamburg...	1,449	{ 165 61	100 watt 200 watt	<i>m</i> <i>m</i>	9.00 12.00	2,217.00	1.53
New Toronto.....	7,861	{ 221 17 15 28 14 3 131	75 watt 150 watt 200 watt 300 watt 300 watt 500 watt 500 watt	<i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i>	13.00 15.50 17.00 21.00 22.00 29.00 33.00	8,697.48	1.10

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STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1935; showing
Rate per Lamp, Cost to Municipality in 1935, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Rate per lamp per annum	Cost to municipality in 1935	Cost per capita
				\$ c.	\$ c.	\$ c.
Niagara Falls.....	18,060	{ 823 3 61 233 197	{ 100 c.p. s 250 c.p. s 600 c.p. s 600 c.p. (orn.) s 1,000 c.p. (orn.) s	{ 11.00 13.00 18.00 37.00 42.00	27,200.85	1.50
Niagara-on-the-Lake.....	1,569	{ 221 25	{ 100 watt m 200 watt m	{ 11.00 18.00	2,871.74	1.83
Nipigon.....		34	100 watt m	15.00	510.00	**
North York Twp.....		{ 81 20 32 11 10 1 1 1 65 1 1 2 1 1	{ 100 watt m 100 watt m 100 watt m 100 watt m 100 watt m 100 watt m 200 watt m 200 watt m 400 watt m 400 watt (mercury) m 400 watt (floodlight) m 1,000 watt m Police sign m Traffic light m	{ 12.00 13.00 13.50 15.00 16.50 17.70 18.00 19.00 23.00 43.00 31.00 65.00 12.00 30.00	3,743.84	**
Norwich.....	1,174	{ 114 28	{ 100 watt m 400 watt m	{ 10.00 35.00	2,120.00	1.80
Norwood.....	761	{ 80 6 1	{ 100 c.p. s 100 c.p. s 100 c.p. s	{ 18.00 20.00 27.00	1,575.00	2.07
Oil Springs.....	463	{ 41 1	{ 100 watt m 300 watt m	{ 18.00 30.00	760.50	1.66
Omeme.....	509	{ 46 4 10	{ 100 c.p. s 100 watt m 250 watt m	{ 14.00 12.50 28.00	971.08	1.90
Orangeville.....	2,789	{ 95 50 38	{ 150 c.p. s 250 c.p. s 300 watt m	{ 12.00 18.00 25.00	3,014.00	1.08
Oshawa.....	22,506	{ 841 1 40 109 30	{ 100 c.p. s 1,000 c.p. s 100 watt m 150 watt m 200 watt m	{ 11.00 27.00 12.00 13.00 18.00	11,706.94	0.52

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STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1935; showing
Rate per Lamp, Cost to Municipality in 1935, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Rate per lamp per annum	Cost to municipality in 1935	Cost per capita
				\$ c.	\$ c.	\$ c.
Ottawa.....	135,300	740	100 c.p. <i>s</i>	6.00	75,524.89	0.56
			(Driveway)			
		380	100 c.p. <i>s</i>	7.00		
		818	400 c.p. <i>s</i>	25.00		
		857	600 c.p. <i>s</i>	35.00		
		59	Arcs <i>s</i>	45.00		
Otterville.....		2,910	100 watt <i>m</i>	48c. per ft.	786.00	**
			(white way)			
		39	100 watt <i>m</i>	5½c. per ft.		
			(residential)			
Owen Sound.....	12,923	54	100 watt <i>m</i>	11.00	12,854.14	0.99
		12	200 watt <i>m</i>	16.00		
		434	150 c.p. <i>s</i>	13.00		
		1	250 c.p. <i>s</i>	13.50		
		335	400 c.p. <i>s</i>	16.00		
		12	600 c.p. <i>s</i>	23.00		
Paisley.....	728	39	1,000 c.p. <i>s</i>	37.00	1,246.00	1.71
		89	100 watt <i>m</i>	14.00		
Palmerston.....	1,470	83	80 c.p. <i>s</i>	9.00	1,992.93	1.35
		14	400 c.p. <i>s</i>	25.00		
		11	60 watt <i>m</i>	9.00		
		12	100 watt <i>m</i>	10.00		
		10	150 watt <i>m</i>	10.00		
		9	250 watt <i>m</i>	25.00		
		13	300 watt <i>m</i>	25.00		
		2	500 watt <i>m</i>	35.00		
Paris.....	4,330	463	100 c.p. <i>s</i>	8.50	5,450.50	1.25
		10	400 c.p. <i>s</i>	28.00		
		25	500 c.p. <i>s</i>	35.00		
		2	60 watt <i>m</i>	7.00		
		2	100 watt <i>m</i>	9.00		
		8	500 watt <i>m</i>	35.00		
Parkhill.....	1,023	80	100 watt <i>m</i>	14.00	1,437.00	1.40
		15	200 watt <i>m</i>	23.00		
Penetanguishene	4,352	187	150 c.p. <i>s</i>	11.00	2,182.00	0.50
		3	200 watt <i>m</i>	15.00		
		4	300 watt <i>m</i>	20.00		
Perth.....	4,057	73	100 c.p. <i>s</i>	17.00	2,338.00	0.57
		12	250 c.p. <i>s</i>	27.00		
		7	400 c.p. <i>s</i>	30.00		
		13	600 c.p. <i>s</i>	45.00		
Peterboro.....	22,869	193	60 watt <i>m</i>	12.00	21,758.43	0.95
		365	100 watt <i>m</i>	13.00		
		554	300 watt <i>m</i>	20.00		
		81	300 watt <i>m</i>	45.00		

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STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1935; showing
Rate per Lamp, Cost to Municipality in 1935, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps		Rate per lamp per annum	Cost to municipality in 1935	Cost per capita
					\$ c.	\$ c.	\$ c.
Petrolia.....	2,664	{ 145 24	150 c.p. 600 c.p.	s s	12.00 38.00	2,652.00	0.99
Picton.....	2,922	{ 225 85	100 c.p. 250 c.p.	s s	10.00 17.00	3,738.45	1.28
Plattsville.....		34	100 watt	m	12.00	408.00	**
Point Edward....	1,222	{ 100 15	150 c.p. 250 c.p.	s s	13.00 20.00	1,599.96	1.30
Port Arthur.....	19,459	{ 2,709 232 208	100 watt 300 watt 500 watt	m m m	5.00 10.00 15.00	18,984.96	0.97
Port Colborne....	5,680	{ 15 78 232 34 127	400 c.p. 600 c.p. 100 watt 100 watt 200 watt	s s m m m	23.00 25.00 12.00 14.00 18.00	7,905.94	††
Port Credit.....	1,670	273	100 watt	m	10.00	2,730.00	1.63
Port Dalhousie...	1,410	{ 129 2	100 watt 200 watt	m m	12.50 15.00	1,636.25	1.16
Port Dover.....	1,692	{ 200 15 30 4 9	100 watt 300 watt 100 watt (summer) 300 watt (summer) Decorative stgs	m m m m m m	11.00 20.00 7.00 10.00 20.00	2,930.00	1.14
Port Elgin.....	1,301	{ 104 54 2 26	100 watt 100 watt (4 mos.) 100 watt (1 mos.) 200 watt	m m m m	14.00 14.00 14.00 22.00	2,288.06	1.75
Port Hope.....	4,433	386	100 c.p.	s	12.00	4,631.00	1.04
Port McNicoll....	935	{ 50 20	100 watt 200 watt	m m	12.00 20.00	1,000.00	1.07
Port Perry.....	1,146	98	100 watt	m	15.00	1,477.50	1.29
Port Rowan.....		{ 48 5	100 watt 100 watt (9 mos.)	m m	24.00 18.00	1,242.00	1.92
Port Stanley.....	759	211	100 watt	m	11.00	2,306.30	3.02
Prescott.....	2,958	{ 169 105	100 watt 200 watt	m m	10.00 17.00	3,475.00	1.17

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STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1935; showing
Rate per Lamp, Cost to Municipality in 1935, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Rate per lamp per annum	Cost to municipality in 1935	Cost per capita
				\$ c.	\$ c.	\$ c.
Preston.....	6,274	{ 347 9 40 6	150 c.p. <i>s</i> 250 watt <i>m</i> 500 watt <i>m</i> 5 Lt. standards <i>m</i>	{ 10.00 18.00 30.00 30.00	5,012.00	0.80
Priceville.....		14	100 watt <i>m</i>	40.00	560.00	**
Princeton.....		37	100 watt <i>m</i>	13.00	481.00	**
Queenston.....		19	100 watt <i>m</i>	16.00	304.42	**
Richmond.....	425	26	100 watt <i>m</i>	16.00	418.32	0.98
Richmond Hill...	1,236	{ 99 17 6	75 watt <i>m</i> 100 watt <i>m</i> 200 watt <i>m</i>	{ 11.00 12.00 16.00	1,389.00	1.12
Ridgetown.....	2,016	{ 187 1 74 2 2 19	150 c.p. <i>s</i> 1,000 c.p. <i>s</i> 100 watt <i>m</i> 200 watt <i>m</i> 250 watt <i>m</i> 500 watt <i>m</i>	{ 9.00 40.00 9.00 18.00 20.00 36.00	3,136.59	††
Ripley.....	450	{ 43 6	100 watt <i>m</i> 200 watt <i>m</i>	{ 20.00 35.00	1,070.00	2.38
Riverside.....	4,875	{ 132 36	75 watt <i>m</i> 150 watt <i>m</i>	{ 12.00 16.00	2,827.54	0.58
Rockwood.....		86	100 watt <i>m</i>	9.00	765.75	**
Rodney.....	729	{ 74 14	100 watt <i>m</i> 200 watt <i>m</i>	{ 10.00 18.00	991.98	1.36
Rosseau.....	300	35	100 watt <i>m</i>	35.40	1,239.00	4.13
Russell.....		47	100 watt <i>m</i>	16.00	752.00	**
St. Catharines....	26,394	{ 2,271 19 149 71 106 13 1 17	100 watt <i>m</i> 100 watt <i>m</i> 200 watt <i>m</i> 200 watt <i>m</i> 300 watt <i>m</i> 500 watt <i>m</i> 1,000 watt <i>m</i> 300 watt <i>m</i> (bridge lights)	{ 8.00 10.00 11.00 18.00 26.00 20.00 40.00 14.11 per month	21,270.55	††
St. George.....		39	100 watt <i>m</i>	9.50	370.50	**
St. Jacobs.....		46	100 watt <i>m</i>	10.00	460.00	**
St. Marys.....	4,038	{ 229 106 19 32	100 c.p. <i>s</i> 250 c.p. <i>s</i> 150 watt <i>m</i> 300 watt <i>m</i>	{ 10.00 14.00 12.00 22.00	4,692.66	1.16

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STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1935; showing
Rate per Lamp, Cost to Municipality in 1935, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Rate per lamp per annum	Cost to municipality in 1935	Cost per capita
				\$ c.	\$ c.	\$ c.
St. Thomas.....	16,066	{ 1,078	100 c.p. s	9.00	14,698.00	††
		{ 27	250 c.p. s	13.00		
		{ 1	600 c.p. s	32.00		
		{ 114	600 c.p. s	34.00		
		{ 6	60 watt m	4.50		
		{ 29	100 watt m	5.00		
		{ 3	200 watt m	30.00		
		{ 22	300 watt m	22.00		
		{ 17	600 watt m	51.00		
Sandwich.....	10,682	{ 291	100 c.p. s	12.00	8,436.35	††
		{ 318	100 c.p. s	13.00		
		{ 14	250 c.p. s	21.00		
		{ 40	400 c.p. s	26.00		
		{ 13	400 c.p. s	28.00		
		{ 10	100 watt m	12.00		
		{ 31	100 watt m	13.00		
		{ 208	Empty sockets	5.50		
		{ 1	" "	10.50		
		{ 4	" "	12.50		
Sarnia.....	17,645	{ 1,026	150 c.p. s	12.00	18,652.98	††
		{ 56	250 c.p. s	16.50		
		{ 66	400 c.p. s	22.00		
		{ 79	600 c.p. s	35.00		
		{ 13	600 c.p. s	45.00		
		{ 3	100 watt m	12.00		
		{ 8	150 watt m	16.50		
		{ 14	300 watt m	32.00		
Scarboro Twp....		{ 214	100 c.p. s	12.00	14,396.96	**
		{ 10	100 c.p. (empty) s	9.00		
		{ 2	250 c.p. s	17.00		
		{ 19	40 watt m	12.00		
		{ 2	60 watt m	18.00		
		{ 418	100 watt m	12.00		
		{ 25	100 w. (empty) m	9.00		
		{ 7	200 watt m	17.00		
		{ 10	200 watt m	21.00		
		{ 154	300 watt m	24.00		
Seaforth.....	1,697	{ 123	100 c.p. s	11.00	1,853.00	1.09
		{ 20	300 watt m	25.00		
Shelburne.....	1,166	96	150 c.p. s	11.00	1,056.00	0.90
Simcoe.....	5,317	{ 274	100 c.p. s	11.00	4,539.00	††
		{ 27	1,000 c.p. s	40.00		
		{ 7	150 watt m	11.00		
		{ 8	200 watt m	15.00		
		{ 6	200 watt m	24.00		
		{ 2	500 watt m	53.00		
		{ 1	1,000 watt m	60.00		

**Population not shown in Government statistics. s Series system. m Multiple system.

††Certain additional street lighting costs for special service are paid direct in form of debenture charges.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1935; showing
Rate per Lamp, Cost to Municipality in 1935, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Rate per lamp per annum	Cost to municipality in 1935	Cost per capita
				\$ c.	\$ c.	\$ c.
Smiths Falls.....	7,517	{ 18 105 1 171 85	50 watt <i>m</i> 100 watt <i>m</i> 200 watt <i>m</i> 300 watt <i>m</i> Empty sockets <i>m</i>	9.50 18.00 25.00 25.00 13.00	7,424.00	0.98
Southampton.....	1,355	{ 115 32 39 1	100 watt <i>m</i> 250 watt <i>m</i> 60 watt <i>m</i> (3 mos.) decorative stg. <i>m</i>	13.00 21.00 12.00 36.00	2,301.58	1.70
Springfield.....	380	51	100 watt <i>m</i>	11.00	561.00	1.47
Stamford Twp.....		864	100 watt <i>m</i>	9.00	7,734.75	**
Stayner.....	900	{ 76 18	150 c.p. <i>s</i> 200 watt <i>m</i>	14.00 20.00	1,424.00	1.58
Stirling.....	935	{ 73 16 2 15	150 c.p. <i>s</i> 150 watt <i>m</i> 300 watt <i>m</i> 500 watt <i>m</i>	12.00 12.00 26.00 33.00	1,606.00	1.71
Stouffville.....	1,169	126	100 watt <i>m</i>	13.00	1,638.00	1.40
Stratford.....	17,456	{ 870 74 116 6 63 4 4	100 c.p. <i>s</i> 600 c.p. <i>s</i> 600 c.p. <i>s</i> 600 c.p. <i>s</i> 1,000 c.p. <i>s</i> 100 watt <i>m</i> 500 watt <i>m</i>	10.00 25.00 30.00 35.00 34.00 10.00 34.00	16,507.96	0.94
Strathroy.....	2,875	{ 298 21 34	100 c.p. <i>s</i> 250 c.p. <i>s</i> 300 watt <i>m</i>	9.00 15.00 31.00	4,050.96	1.40
Streetsville.....	671	{ 48 28 13	100 watt <i>m</i> 200 watt <i>m</i> 300 watt <i>m</i>	9.50 11.50 16.50	935.50	1.39
Sunderland.....		{ 29 4	100 watt <i>m</i> 500 watt <i>m</i>	20.00 35.00	720.00	**
Sutton.....	812	{ 120 17 18	100 watt <i>m</i> 200 watt <i>m</i> decorative stgs. <i>m</i> (3 mos.)	13.00 17.00 13.00	1,966.00	2.42
Tara.....	509	{ 55 12	100 watt <i>m</i> 150 watt <i>m</i>	16.00 18.00	1,096.00	2.15
Tavistock.....	1,033	{ 82 39	100 watt <i>m</i> 200 watt <i>m</i>	10.00 12.00	1,263.66	1.22
Tecumseh.....	2,526	{ 17 60	400 c.p. <i>s</i> 100 watt <i>m</i>	24.00 14.00	1,140.00	††

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.

††Certain additional street lighting costs for special service are paid direct in form of debenture charges.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1935; showing
Rate per Lamp, Cost to Municipality in 1935, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps		Rate per lamp per annum	Cost to municipality in 1935	Cost per capita
					\$ c.	\$ c.	\$ c.
Teeswater.....	796	{ 38 20	150 c.p. 300 c.p.	s s	17.00 32.00	1,286.00	1.61
Thamesford.....		47	100 watt	m	11.00	517.00	**
Thamesville.....	710	{ 638 33 7	100 watt 200 watt 200 watt	m m m	9.00 14.00 18.00	1,200.00	1.69
Thedford.....	575	69	100 watt	m	15.00	1,035.00	1.80
Thorndale.....		32	100 watt	m	12.00	384.00	**
Thornton.....		22	100 watt	m	40.00	880.00	**
Thorold.....	4,954	{ 378 2 35 2	75 watt 100 watt 200 watt 300 watt	m m m m	7.50 8.00 12.00 15.00	3,301.00	0.66
Tilbury.....	1,937	{ 102 25	100 watt 200 watt	m m	11.00 19.00	1,604.04	0.83
Tillsonburg.....	3,453	{ 266 1 8 44 1	100 c.p. 250 c.p. 300 watt 500 watt Traffic light	s s m m m	8.50 13.00 32.00 42.00 18.36	4,386.38	1.27
Toronto.....	623,562	{ 46,592 3,300 67 1,413 166 5 339 93 391 75	100 watt 200 watt 250 watt 300 watt 500 watt 1,000 watt 5-lt. stds. 100 w. 1-lt. stds. 500 w. 1-lt. stds. 300 w. 1-lt. stds. 500 w.	m m m m m m m m m m	8.00-10.00 18.00-23.00 20.00 28.00 45.00 90.00 47.50 47.50 50.00 52.50	537,402.34	0.86
Toronto Twp.....		{ 413 1	100 watt Traffic light	m m	12.00 43.20	4,987.20	**
Tottenham.....	514	49	150 c.p.	s	25.00	1,225.08	2.38
Trenton.....	6,241	{ 48 309 2	600 c.p. 100 watt 500 watt	s m m	75.00 14.00 75.00	8,057.25	1.29
Tweed.....	1,247	125	100 c.p.	s	15.00	1,875.00	1.50
Uxbridge.....	1,514	{ 128 5 1 1 2	100 watt 100 watt (5 mos.) 200 watt (5 mos.) 200 watt 300 watt	m m m m m m	14.00 10.00 14.00 18.00 22.00	1,970.70	1.30

**Population not shown in Government statistics. s Series system. m Multiple system.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1935; showing Rate per Lamp, Cost to Municipality in 1935, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Rate per lamp per annum	Cost to municipality in 1935	Cost per capita
Victoria Harbour	1,164	78	100 watt <i>m</i>	\$ c. 9.00	\$ c. 702.00	\$ c. 0.60
Walkerton.....	2,461	{ 116 38 1	150 c.p. <i>s</i> 250 c.p. <i>s</i> 50 watt <i>m</i>	14.00 24.50 6.00	2,562.59	1.04
Walkerville.....	9,968	{ 56 810 112 198	400 c.p. <i>s</i> 100 watt <i>m</i> 150 watt <i>m</i> 200 watt <i>m</i>	36.00 8.00 11.00 13.00	12,302.04	††
Wallaceburg.....	4,630	{ 188 12 50	150 c.p. <i>s</i> 400 c.p. <i>s</i> 300 watt <i>m</i>	12.00 22.00 33.00	4,170.00	0.90
Wardsville.....	247	36	75-100 watt <i>m</i>	20.00	720.00	2.91
Warkworth.....		{ 36 2	100 watt <i>m</i> 200 watt <i>m</i>	16.00 28.00	605.34	**
Waterdown.....	932	{ 72 8	100 watt <i>m</i> 200 watt <i>m</i>	11.00 17.50	932.00	1.00
Waterford.....	1,202	{ 157 9 2 4	100 watt <i>m</i> 200 watt <i>m</i> 500 watt <i>m</i> 100 watt (twp.) <i>m</i>	8.00 15.00 25.00 12.00	1,512.00	1.25
Waterloo.....	8,746	{ 347 120 93 5 18 3 9 10 44	80 c.p. <i>s</i> 100 c.p. <i>s</i> 150 watt <i>m</i> 200 watt <i>m</i> 300 watt <i>m</i> 500 watt <i>m</i> 500 watt <i>m</i> 3-lt. stds. <i>m</i> 5-lt. stds. <i>m</i>	8.00 10.00 10.00 12.00 21.00 30.00 35.00 25.00 36.00	7,558.54	0.86
Watford.....	916	{ 90 11	100 watt <i>m</i> 200 watt <i>m</i>	12.50 20.00	1,344.96	1.46
Waubashene.....		{ 46 7	100 watt <i>m</i> 100 watt <i>m</i> (6 mos.)	9.00 5.00	448.70	**
Welland.....	10,585	{ 177 14 424 30 4 6 6	600 c.p. <i>s</i> 600 c.p. <i>s</i> (Park, 3 mos.) 100 watt <i>m</i> 200 watt <i>m</i> 500 watt <i>m</i> 300 watt <i>m</i> Empty sockets <i>m</i>	30.00 30.00 11.00 18.00 28.00 30.00 18.00	10,893.20	††
Wellesley.....		60	100 watt <i>m</i>	12.00	720.00	**
Wellington.....	916	79	100 c.p. <i>s</i>	12.00	1,014.68	1.11

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.

††Certain additional street lighting costs for special service are paid direct in form of debenture charges.

††Certain additional street lighting costs for special service are paid direct in form of debenture charges.

STATEMENT "D"

(pages 396 to 413)

Statistics Relating to the Supply of Electrical Energy to Consumers
in Ontario Urban Municipalities Served by
The Hydro-Electric Power Commission
for the year 1935

STATEMENT "E"

(pages 414 to 429)

Cost of Power to Municipalities and Rates to Consumers for
Domestic Service—Commercial Light Service—Power Service
in Ontario Urban Municipalities Served by
The Hydro-Electric Power Commission
for the year 1935

STATEMENT "D"

**Statistics Relating to the Supply of Electrical Energy to
Consumers in Urban Municipalities Served by
The Hydro-Electric Power Commission**

Regarding the results of Hydro operation from the standpoint of the consumers, the following tabulation gives much useful and interesting information. For each main class of service in each urban municipal utility receiving power at cost from the Commission, Statement "D" lists the revenue, the consumption and the number of consumers, together with unit average costs and consumptions and other pertinent data.

The policy and practice of the Commission has been, and is, to make as widespread and beneficial a distribution of electrical energy as possible, and to extend to every community that can economically be reached by transmission lines, the benefit of electrical service. Even where, in certain localities, by reason of the distance from a source of supply or on account of the small quantity of power required by the municipality, the cost per horsepower to the municipality—and, consequently, the cost of service to the consumer—must unavoidably be higher than in more favourably situated communities, service has not been withheld when the consumers were able and willing to pay the cost.

The accompanying diagram summarizes graphically certain data of Statement "D," respecting the average cost to the consumer. It will be observed that the total amount of the energy sold in municipalities where circumstances necessitate rates which result in the higher average costs to the consumer is relatively insignificant. With respect to power service, it should be noted that the statistics of Statement "D," and of the diagram, cover mainly retail power service supplied to the smaller industrial consumers. The average amount of power taken by the industrial consumers served by the municipalities is about 40 horsepower. The Commission serves certain large power consumers direct on behalf of the various systems of municipalities.

It should be kept in mind that the revenues reported in Statement "D," and used for purposes of calculating the net unit costs to the consumer, are the total revenues contributed by the consumers, and include, in addition to the cost of power, sums specifically applicable to the retirement of capital, and also operating surplus which is in part applied to retirement of capital or extension of plant and is in part returned in cash to the consumers.

It should also be noted that average costs per kilowatt-hour or per horsepower if employed indiscriminately as a criterion by means of which to compare the rates or prices for electrical service in various municipalities, will give misleading results. The average costs per kilowatt-hour, as given in Statement "D" for respective classes of service in each municipality, are statistical results obtained by dividing the respective revenues by the aggregate kilowatt-hours sold. As such, the data reflect the combined influence of a number of factors, of which the rates or prices to consumers are but one factor. Owing to the varying influence of factors other than the rates, it is seldom found that in any two municipalities the average cost per kilowatt-hour to the consumers, even of the same classification, is in proportion to the respective rates for service. Instances even occur where for a class of consumers in one municipality, the average costs per kilowatt-hour are substantially lower than for the same class in another municipality, even though the rates are higher.

COST OF ELECTRICAL SERVICE
IN MUNICIPALITIES SERVED BY
THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

DOMESTIC SERVICE

THE AREAS OF THE CIRCLES REPRESENT PROPORTIONATELY THE TOTAL KILOWATT-HOURS SOLD FOR DOMESTIC SERVICE IN MUNICIPALITIES WHERE THE AVERAGE CHARGE TO CONSUMERS INCLUSIVE OF ALL CHARGES IS, PER KILOWATT-HOUR:



2.0 TO 3.9 CENTS

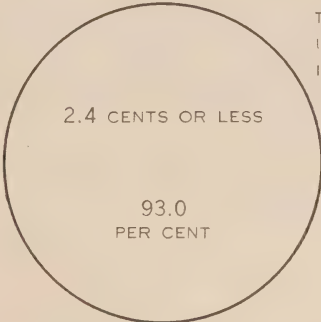


4.0 CENTS
OR MORE



COMMERCIAL LIGHT SERVICE

THE AREAS OF THE CIRCLES REPRESENT PROPORTIONATELY THE TOTAL KILOWATT-HOURS SOLD FOR COMMERCIAL LIGHT SERVICE IN MUNICIPALITIES WHERE THE AVERAGE CHARGE TO CONSUMERS INCLUSIVE OF ALL CHARGES IS, PER KILOWATT-HOUR:



2.5 TO 4.9 CENTS

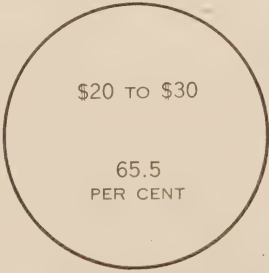
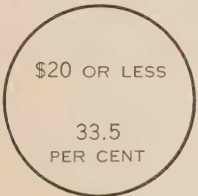


5.0 CENTS
OR MORE



POWER SERVICE SUPPLIED BY MUNICIPALITIES

THE AREAS OF THE CIRCLES REPRESENT PROPORTIONATELY THE AGGREGATE HORSEPOWER SOLD FOR POWER SERVICE IN MUNICIPALITIES WHERE THE AVERAGE CHARGE TO CONSUMERS INCLUSIVE OF ALL CHARGES IS, PER HORSEPOWER PER YEAR.



\$30 OR MORE



With respect to domestic service, for example, instances may be observed where two municipalities have identical prices or rates for domestic service, but the average cost per kilowatt-hour to the consumer varies by as much as 100 per cent. Such variations are due principally to differences in the extent of utilization of the service for the operation of electric ranges, water heaters and other appliances, an indication of which is afforded by the statistics of average monthly consumption.

In the case of power service, average unit costs are still less reliable as an indication of the relative rates for service in different municipalities. In the case of hydro-electric power supplied to industries at cost, the rate schedules incorporate charges both for demand and for energy consumption, and thus, although the quantity of power taken by a consumer—that is, the demand as measured in horsepower—is the most important factor affecting costs and revenues, it is not the only one. The number of hours the power is used in the month or year—which, in conjunction with the power, determines the energy consumption, as measured in kilowatt-hours—also affects the costs and revenues. Consequently, in two municipalities charging the same rates for power service, the average cost per horsepower to the consumer will vary in accordance with the consumers' average number of hours' use of the power per month. A greater average energy consumption per horsepower increases the average cost per horsepower and decreases the average cost per kilowatt-hour, to the consumer, and *vice versa*.*

*In view of the fact that the data of Statement "D" have been misinterpreted in the making of certain comparisons as to the cost of electricity in various territories, it is desirable to add a word of caution respecting their significance. Essentially, the average cost or revenue per kilowatt-hour is *not a criterion of rates* even with similar forms of rate schedules and for the same class of service. Particularly is this true when revenues and consumptions of all classes of service, and of all kinds of rate schedules, are indiscriminately lumped together in order to deduce a so-called "average cost or rate per kilowatt-hour" for all services.

In one community rates for each class of service, and the cost to every consumer in each class for any given service and consumption, may be substantially higher than in another community, and yet there may be in the former community, a lower "average revenue per kilowatt-hour."

EXAMPLE.—Assume sales of electrical energy by two electric utilities, A and B, in each case 10,000,000 kilowatt-hours.

Class of service	CASE A Higher rates and lower revenues per kilowatt-hour			CASE B Lower rates and higher revenues per kilowatt-hour		
	Energy sales	Rate per kw-hr.	Revenue	Energy sales	Rate per kw-hr.	Revenue
	kw-hr.	cents	\$	kw-hr.	cents	\$
Residence.....	1,000,000	4	40,000	3,000,000	3	90,000
Power.....	9,000,000	1	90,000	7,000,000	0.75	52,500
Total.....	10,000,000	.....	130,000	10,000,000	.....	142,500
Average revenue..	1.3 cents per kw-hr.			1.425 cents per kw-hr.		

It will be observed that in Case A *the rates* both for residence and for power service are 33 per cent *higher* than in Case B, but the *average revenue* per kilowatt-hour is nearly 9 per cent less.

In this instance, the explanation lies in the *relative quantities* of energy sold to each class. Service to large power consumers entails a smaller capital investment in distribution lines and equipment and lower operating costs per kilowatt-hour delivered, than does service to domestic and to commercial light consumers, and even where the rates for all classes of service are low, produces a smaller average revenue per kilowatt-hour. Consequently, if one electrical utility as compared with another sells a larger proportion of its energy for power purposes, its "average revenue per kilowatt-hour" may easily be lower than that of the other utility even though its rates for every class of service are substantially higher.

Although the derived statistics of Statement "D" are valueless as a means of comparing the *rates* in one municipality with those in another, they nevertheless fulfil a function in affording a general measure of the *economy of service* to consumers in the co-operating Ontario municipalities—an economy that has resulted primarily from the low rates themselves, and secondarily from the extensive use of the service that has been made possible by the low rates.

Actual bills rendered to typical consumers for similar service under closely comparable circumstances constitute the best basis for making comparisons. In researches respecting rates to consumers therefore the actual *rate schedules* of Statement "E" should be employed, and not statistics of average revenues per kilowatt-hour, as these are valueless for rate comparisons—and particularly so when all classifications of service are combined.

In any consideration of the relative economies of electrical service in the various municipalities—whether based on the actual rates for service as set forth in Statement "E," or on the derived statistics resulting from the rates and other factors as presented in Statement "D"—full account should be taken respectively, of the influence upon costs of such factors as the size of the municipality, the distance from the source of power, the features of the power developments from which service is received, the sizes and concentrations of adjacent markets for electricity, and the sizes and characters of the loads supplied under the various classifications by the local electrical utility to the consumers.

In Statement "D" account has been taken of the sizes of municipalities by grouping them according to whether they are (i) cities—over 10,000 population; (ii) towns of 2,000 to 10,000 population; or (iii) small towns (under 2,000 population), villages, and suburban areas in townships (which are comparable in respect of conditions of supply to the smaller towns and villages). The populations are also given, and the situation of any municipality with respect to transmission lines and power supplies may be ascertained by consulting the map at the end of the Report and the diagrams of stations in Section II.

A feature of the electrical service in Ontario municipalities served by The Hydro-Electric Power Commission is the strikingly large average annual consumption per domestic consumer. There are in all more than 200 Ontario municipalities where the average annual consumption per domestic consumer is in excess of 600 kilowatt-hours. Of the 84 cities and towns with populations of 2,000 or more—in which over 85 per cent of the domestic consumers of the undertaking are served—no less than 62 have an average annual consumption per domestic consumer in excess of 1,000 kilowatt-hours; of these, 27 have an average annual consumption per domestic consumer in excess of 1,500 kilowatt-hours, and 11 have an average annual consumption per domestic consumer in excess of 2,000 kilowatt-hours.

The high average consumption for domestic service results essentially from the policy of the undertaking in providing service "at cost"; the rate schedules designed according to this principle automatically encourage liberal use of the service. Under the standard rate schedules employed by Ontario municipalities, follow-up rates of 1 cent and 1.25 cents (less 10 per cent.) are in common use, and as a rule even where the higher initial rates per kilowatt-hour obtain, it is only necessary for the domestic consumer to reach a monthly charge of from \$2.00 to \$3.00 to obtain the benefit of a follow-up rate of 1.8 cents net. The cost of electric cooking is thus within reach of most of the domestic consumers in Ontario. Electric water heating is also encouraged by low flat rates for continuous heaters and by installation of equipment without capital cost to the consumer.

STATEMENT

**Statistics Relating to the Supply of Electrical Energy to Consumers
For Domestic Service, for Commercial Light Service
Group I—CITIES**

Municipality	System	Popula- tion	Domestic service					
			Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw.-hr.
			\$ c.	kw. hr.		kw.-hr.	\$ c.	cts.
Belleville.....	E.O.	13,899	80,272.20	5,731,426	3,122	153	2.14	1.4
Brantford.....	Nia.	30,691	184,323.47	12,124,092	7,524	134	2.04	1.5
Chatham.....	Nia.	16,284	83,669.83	4,516,960	3,774	100	1.84	1.9
East Windsor.....	Nia.	14,606	75,423.80	3,805,170	2,995	106	2.01	1.9
Fort William.....	T.B.	24,492	203,134.22	25,237,237	5,325	395	3.18	0.8
Galt.....	Nia.	13,715	93,965.69	5,282,496	3,626	121	2.16	1.8
Guelph.....	Nia.	20,882	112,426.09	7,336,957	5,101	120	1.84	1.5
Hamilton.....	Nia.	154,276	945,673.01	62,378,233	37,590	138	2.07	1.5
Kingston.....	E.O.	23,678	122,946.78	9,007,584	5,758	130	1.78	1.4
Kitchener.....	Nia.	31,328	202,185.59	13,305,758	7,240	153	2.33	1.5
London.....	Nia.	73,880	540,809.37	43,102,507	16,902	213	2.66	1.2
Niagara Falls.....	Nia.	18,060	149,339.63	10,941,143	4,545	200	2.80	1.4
Oshawa.....	E.O.	22,506	169,724.70	7,494,009	6,020	104	2.35	2.3
Ottawa.....	E.O.	135,300	461,225.81	51,339,679	13,123	326	2.93	0.9
Owen Sound.....	G.B.	12,923	64,074.25	3,394,259	3,218	88	1.66	1.9
Peterborough.....	E.O.	22,869	130,305.16	8,164,026	5,416	126	2.00	1.6
Port Arthur.....	T.B.	19,459	111,528.77	9,376,616	4,345	180	2.14	1.2
St. Catharines.....	Nia.	26,394	143,885.37	11,012,869	6,449	140	1.82	1.3
St. Thomas.....	Nia.	16,066	115,087.08	9,384,168	4,089	191	2.35	1.2
Sarnia.....	Nia.	17,645	108,536.83	5,433,426	4,576	99	1.98	2.0
Stratford.....	Nia.	17,456	149,041.81	8,707,333	4,305	169	2.89	1.7
Toronto.....	Nia.	623,562	4,057,295.12	302,848,895	155,749	162	2.17	1.3
Toronto D.C. and 60 cycle†.....			24,048.22	808,880	505	133	3.97	3.0
Welland.....	Nia.	10,585	52,924.14	3,014,051	2,392	105	1.83	1.7
Windsor.....	Nia.	62,216	527,192.45	30,402,619	15,357	165	2.85	1.7
Woodstock.....	Nia.	10,968	73,740.96	5,312,140	2,970	149	2.07	1.4

†This,—with the exception of a relatively small D.C. power load,—is a special service not created by The Hydro-Electric Power Commission but acquired through the purchase of a privately owned company. It does not include Street Railway power.

Group II—TOWNS

			\$ c.	kw.-hr.		kw.-hr.	\$ c. cts.
Amherstburg.....	Nia.	3,044	19,282.75	1,145,749	613	156	2.62 1.7
Barrie.....	G.B.	7,725	54,615.09	2,882,234	1,970	122	2.31 1.9
Bowmanville.....	E.O.	3,602	27,941.73	1,056,215	1,062	83	2.19 2.6
Brampton.....	Nia.	5,487	38,041.69	2,750,643	1,389	165	2.28 1.4
Brockville.....	E.O.	9,818	46,447.40	3,015,293	2,608	96	1.48 1.5
Carleton Place.....	E.O.	4,186	18,216.76	726,493	959	63	1.58 2.5
Cobourg.....	E.O.	5,780	30,738.03	1,129,684	1,222	77	2.10 2.7
Collingwood.....	G.B.	5,416	25,359.80	1,313,022	1,304	84	1.62 1.9
Dundas.....	Nia.	4,983	21,079.70	1,188,390	1,195	83	1.49 1.8
Dunnville.....	Nia.	3,746	13,408.42	614,888	826	62	1.36 2.2
Elmira.....	Nia.	2,650	16,079.24	751,186	509	123	2.63 2.1
Fergus.....	Nia.	2,520	16,574.72	803,820	639	105	2.16 2.1
Georgetown.....	Nia.	2,203	14,844.88	853,734	680	105	1.82 1.7

“D”

**in Ontario Municipalities Served by the Commission
and for Power Service during the Year 1935
Population, 10,000 or more**

Commercial Light service						Power service			Total number of con- sumers
Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of con- sumers	Average monthly horse- power	
\$ c.	kw-hr.		kw-hr.	\$ c.	cents	\$ c.			
52,456.15	2,589,426	629	343	6.95	2.0	44,801.23	94	2,368.8	3,845
67,862.22	6,143,749	1,139	449	4.96	1.1	*136,154.80	140	6,690.5	8,803
69,360.25	3,666,953	733	417	7.90	1.9	58,861.07	106	2,769.0	4,613
20,050.03	961,570	274	292	5.84	2.0	46,697.24	32	1,966.6	3,301
66,386.78	3,148,035	901	291	6.14	2.1	67,401.72	103	3,229.0	6,329
41,721.12	2,117,709	489	361	7.11	2.0	93,763.94	112	4,730.0	4,227
54,545.35	3,504,679	789	370	5.76	1.6	126,047.74	136	7,128.2	6,026
388,008.63	28,847,631	5,039	477	6.20	1.3	1,768,426.81	1,270	104,951.5	43,899
82,368.56	4,963,660	892	464	7.70	1.7	116,801.46	145	5,552.0	6,795
102,880.42	6,138,893	1,006	508	8.52	1.6	247,613.69	264	12,365.7	8,510
203,250.80	14,416,174	2,759	435	6.14	1.4	402,925.07	468	19,607.0	20,129
57,096.90	4,551,945	673	564	7.33	1.3	81,473.36	87	4,291.6	5,305
63,867.55	2,436,219	514	395	10.35	2.6	223,243.04	102	9,938.7	6,636
170,159.06	10,357,667	1,376	627	10.31	1.6	73,761.07	191	4,628.0	14,690
37,534.08	1,921,462	560	286	5.59	2.0	40,144.54	108	2,401.8	3,886
68,644.55	3,477,992	823	352	6.95	2.0	95,942.70	155	4,551.6	6,394
55,810.18	3,878,091	756	428	6.15	1.4	732,464.61	93	35,191.3	5,194
52,272.49	3,673,923	715	428	5.99	1.4	112,239.90	143	7,160.9	7,307
50,320.47	3,357,263	629	445	6.66	1.5	57,588.83	78	3,297.0	4,796
48,037.26	2,663,432	626	354	6.39	1.8	165,182.99	84	5,773.0	5,286
53,473.27	2,834,665	620	381	7.19	1.9	62,904.00	128	2,706.5	5,053
2,983,033.10	133,315,390	24,020	462	10.35	2.2	3,431,064.28	4,339	143,745.0	184,108
102,237.14	2,522,090	801	262	10.64	4.0	401,935.16	806	14,464.0	2,112
29,324.15	1,798,153	434	345	5.62	1.6	74,949.09	82	3,616.4	2,908
245,042.86	14,123,318	2,265	520	9.00	1.7	200,663.32	307	9,021.9	17,929
38,256.63	2,389,260	457	436	6.97	1.6	57,816.06	89	3,568.0	3,516

NOTE.—The above group of 25 cities utilizes about 80 per cent of the power distributed by the Commission to Ontario municipalities.

*Includes only 25-cycle data.

of Population 2,000 or more

\$ c.	kw-hr.		kw-hr.	\$ c.	cents	\$ c.			
6,533.15	281,478	114	206	4.78	2.3	5,113.06	15	215.2	742
31,710.76	1,486,833	387	320	6.83	2.1	18,012.16	45	1,004.3	2,402
9,683.90	277,173	175	132	4.61	3.5	50,991.09	29	1,717.0	1,266
16,341.54	918,679	237	323	5.75	1.8	19,101.57	50	1,143.3	1,676
24,038.95	1,498,818	438	285	4.57	1.6	34,630.20	69	1,825.6	3,115
8,762.53	335,500	190	147	3.84	2.6	26,265.35	20	1,118.9	1,169
18,615.48	635,737	249	213	6.23	2.9	27,594.19	48	1,256.4	1,519
9,810.95	428,222	200	178	4.09	2.3	17,693.73	55	1,080.5	1,559
10,709.72	595,710	166	299	5.38	1.8	20,718.71	37	1,269.5	1,398
11,880.45	601,292	208	240	4.56	1.9	15,013.45	32	828.0	1,066
6,397.95	230,520	114	169	4.68	2.8	5,956.04	20	321.2	643
6,860.23	206,651	115	150	4.97	3.3	15,260.03	14	561.5	769
5,832.22	242,981	134	151	3.63	2.4	22,965.57	27	1,001.6	841

STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers
For Domestic Service, for Commercial Light Service
Group II—TOWNS

Municipality	System	Population	Domestic service					
			Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			\$ c.	kw-hr.		kw-hr.	\$ c. cts.	
Goderich.....	Nia.	4,383	30,719.64	1,376,076	1,175	98	2.18	2.2
Hanover.....	G.B.	3,006	18,862.65	812,353	717	94	2.19	2.3
Hespeler.....	Nia.	2,853	16,339.05	682,863	706	81	1.93	2.4
Humberstone.....	Nia.	2,487	9,196.49	373,452	531	58	1.45	2.5
Huntsville.....	G.B.	2,651	12,333.09	679,809	594	95	1.73	1.8
Ingersoll.....	Nia.	4,919	31,689.82	1,845,819	1,338	115	1.97	1.7
Kincardine.....	G.B.	2,354	14,875.13	449,613	647	58	1.92	3.3
Kingsville.....	Nia.	2,354	14,040.44	649,496	708	76	1.65	2.2
Leamington.....	Nia.	5,004	29,290.23	1,586,053	1,346	98	1.81	1.8
Lindsay.....	E.O.	6,979	40,437.69	1,741,406	1,919	76	1.76	2.3
Listowel.....	Nia.	2,755	17,163.89	861,925	736	97	1.95	2.0
Long Branch.....	Nia.	3,776	25,334.02	1,254,755	1,155	91	1.83	2.0
Meaford.....	G.B.	2,722	11,710.28	443,952	668	55	1.46	2.6
Merrittton.....	Nia.	2,557	12,238.94	780,656	640	101	1.61	1.6
Midland.....	G.B.	7,250	35,265.48	2,241,618	1,610	116	1.83	1.6
Mimico.....	Nia.	6,733	58,291.99	3,618,807	1,768	171	2.75	1.6
Napanee.....	E.O.	2,935	25,974.96	1,192,026	769	129	2.81	2.2
New Toronto.....	Nia.	7,861	35,982.94	2,307,129	1,516	127	1.98	1.6
Orangeville.....	G.B.	2,789	14,926.62	591,420	676	73	1.84	2.5
Paris.....	Nia.	4,330	23,387.18	1,451,652	1,055	115	1.85	1.6
Penetanguishene.....	G.B.	4,352	12,168.72	516,846	583	74	1.74	2.4
Perth.....	E.O.	4,057	23,404.39	1,275,831	970	110	2.01	1.8
Petrolia.....	Nia.	2,664	11,988.51	499,332	710	58	1.47	2.4
Pictou.....	E.O.	2,922	22,733.04	1,149,202	994	96	1.91	2.0
Port Colborne.....	Nia.	5,680	29,956.60	1,364,380	1,322	85	1.87	2.2
Port Hope.....	E.O.	4,433	29,325.31	1,102,595	1,223	75	2.00	2.7
Prescott.....	E.O.	2,958	16,966.78	1,119,496	662	141	2.14	1.5
Preston.....	Nia.	6,274	36,995.45	2,001,629	1,461	114	2.11	1.8
Ridgetown.....	Nia.	2,016	9,460.79	452,367	558	68	1.41	2.1
Riverside.....	Nia.	4,875	37,351.98	1,702,609	1,147	123	2.70	2.2
St. Marys.....	Nia.	4,038	29,527.11	1,292,175	1,000	108	2.46	2.3
Sandwich.....	Nia.	10,682	88,166.01	5,046,634	2,557	164	2.79	1.7
Simcoe.....	Nia.	5,317	22,784.27	1,177,310	1,244	80	1.54	1.9
Smiths Falls.....	E.O.	7,517	43,066.32	1,998,222	1,727	96	2.08	2.2
Strathroy.....	Nia.	2,875	20,525.08	1,101,221	806	114	2.12	1.9
Tecumseh.....	Nia.	2,526	14,134.00	436,330	520	70	2.26	3.2
Thorold.....	Nia.	4,954	19,391.31	1,070,249	1,094	81	1.46	1.8
Tillsonburg.....	Nia.	3,453	15,575.05	768,532	917	70	1.42	2.0
Trenton.....	E.O.	6,241	26,445.61	1,325,699	1,287	86	1.71	2.0
Walkerton.....	G.B.	2,370	13,963.27	583,683	535	91	2.17	2.4
Walkerville.....	Nia.	9,968	107,948.59	6,951,393	2,650	218	3.38	1.5
Wallaceburg.....	Nia.	4,630	19,288.38	848,243	1,057	67	1.52	2.3
Waterloo.....	Nia.	8,746	62,320.54	4,219,138	1,882	187	2.76	1.5
Weston.....	Nia.	4,958	43,507.45	3,567,566	1,275	233	2.84	1.2
Whitby.....	E.O.	3,732	20,361.24	1,135,012	846	112	2.01	1.8
Wingham.....	G.B.	2,024	12,541.18	442,762	532	69	1.96	2.8

“D”—Continued

in Ontario Municipalities Served by the Commission
and for Power Service during the Year 1935
of Population, 2,000 or more

Commercial Light service						Power service			Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average monthly horse-power	
\$ c.	kw-hr.		kw-hr.	\$ c.	cents	\$ c.			
14,206.25	474,771	223	173	5.17	3.0	15,402.75	21	660.4	1,419
6,989.16	280,717	125	187	4.66	2.5	18,967.79	21	701.9	863
5,548.43	236,749	109	181	4.24	2.3	43,477.54	26	1,793.0	841
3,351.72	200,036	62	268	4.29	1.6	3,449.76	5	106.2	598
9,349.64	469,034	131	298	5.95	2.0	13,701.27	14	809.0	749
15,302.93	862,543	242	297	5.27	1.8	28,744.24	43	1,503.0	1,623
7,315.97	215,549	117	154	5.21	3.4	11,823.95	19	498.0	783
5,904.22	237,179	171	116	2.88	2.5	4,468.99	13	177.5	892
14,775.60	744,569	244	254	5.05	2.0	18,551.29	28	830.0	1,618
25,897.42	925,605	341	226	6.33	2.8	30,286.80	73	1,552.3	2,333
8,524.24	389,854	150	217	4.75	2.2	14,050.18	21	576.9	907
5,905.63	312,512	111	235	4.43	1.9	2,278.92	5	108.3	1,271
6,401.35	238,803	142	140	3.76	2.7	7,050.18	18	382.2	828
2,519.76	130,101	65	167	3.17	1.9	77,480.33	9	3,495.0	714
14,536.03	821,243	222	308	5.46	1.8	52,729.12	59	3,047.0	1,891
10,732.40	525,017	137	319	6.53	2.0	10,740.14	20	381.9	1,925
14,007.40	458,827	192	199	6.08	3.1	11,475.30	41	514.6	1,002
14,241.59	925,382	181	426	6.56	1.5	130,236.31	37	5,528.9	1,734
9,718.65	354,085	159	186	5.09	2.7	7,160.02	26	400.3	861
8,048.43	425,055	180	197	3.73	1.9	13,469.07	23	729.2	1,258
5,374.37	166,950	101	138	4.43	3.2	14,367.60	26	578.2	710
15,473.85	731,381	196	311	6.58	2.1	19,362.63	26	893.9	1,192
6,264.06	243,242	165	122	3.16	2.6	23,005.59	58	703.0	933
13,800.60	626,164	200	261	5.75	2.2	7,905.58	30	418.6	1,224
13,547.19	722,235	239	252	4.78	1.9	13,668.25	21	545.1	1,582
12,421.80	418,765	201	174	5.15	3.0	27,949.54	47	1,118.4	1,471
8,571.77	460,193	163	235	4.38	1.9	5,398.66	19	324.7	844
16,755.64	746,914	226	275	6.18	2.2	38,132.67	50	2,135.4	1,737
5,175.80	235,583	144	136	3.00	2.2	4,398.01	20	231.6	722
4,273.96	159,609	47	282	7.61	2.7	7,273.87	6	246.4	1,200
11,821.51	448,082	179	209	5.50	2.6	17,674.49	34	673.7	1,213
16,379.17	843,115	206	341	6.62	1.9	13,428.61	28	686.0	2,791
25,782.43	1,465,313	321	380	6.69	1.7	27,573.00	35	1,058.0	1,600
15,735.69	642,349	269	199	4.87	2.4	24,581.32	45	944.9	2,041
10,237.98	447,537	169	221	5.04	2.3	14,097.60	26	681.0	1,001
3,913.54	134,219	47	238	6.94	2.9	1,667.67	3	78.9	570
6,902.28	399,244	166	200	3.46	1.7	35,931.73	16	1,844.2	1,276
13,083.77	669,437	213	261	5.12	2.0	11,224.90	31	563.5	1,161
18,026.93	687,639	260	220	5.78	2.6	70,185.49	54	2,520.5	1,601
8,298.32	297,368	135	184	5.12	2.8	4,622.06	17	181.0	687
31,004.81	1,483,654	309	400	8.36	2.1	175,568.06	89	7,690.9	3,048
10,711.55	468,799	257	152	3.47	2.3	54,621.74	28	1,740.0	1,342
22,227.51	1,102,617	250	368	7.41	2.0	30,061.90	75	1,879.4	2,207
10,009.82	577,103	181	266	4.61	1.7	37,186.15	26	1,721.3	1,482
10,357.44	441,230	159	231	5.43	2.3	17,462.92	20	622.5	1,025
7,205.62	217,680	147	123	4.08	3.3	9,553.09	24	333.9	703

STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers
For Domestic Service, for Commercial Light Service

Group III—SMALL TOWNS (less than 2,000 population),

NOTE—The power used in the smaller places and rural districts is, and possibly must always be, a relatively small proportion of the power distributed by the Commission. Thus, the power used by the small municipalities in the following group, which includes small towns, villages and certain suburban areas in townships, is less than 10 per cent of the power distributed by the Commission to Ontario municipalities. This relatively small proportion of the total power,

Municipality	System	Popula- tion	Domestic service					
			Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			\$ c.	kw-hr.		kw-hr.	\$ c. cts.	
Acton.....	Nia.	1,808	10,548.87	591,030	488	101	1.80	1.8
Agincourt.....	Nia.	P.V.	4,748.24	206,287	147	117	2.69	2.3
Ailsa Craig.....	Nia.	468	2,620.29	81,927	131	52	1.67	3.2
Alexandria.....	E.O.	1,945	7,117.80	149,696	309	40	1.92	4.8
Alliston.....	G.B.	1,412	8,537.48	247,670	347	59	2.05	3.4
Alvinston.....	Nia.	620	4,169.53	59,356	157	31	2.21	7.0
Ancaster Twp.....	Nia.	.....	9,131.31	465,685	277	140	2.76	1.9
Apple Hill.....	E.O.	P.V.	1,136.79	18,398	45	34	2.10	6.2
Arkona.....	Nia.	391	2,797.13	47,050	100	39	2.33	5.9
Arthur.....	G.B.	1,034	4,772.93	96,406	194	41	2.05	5.0
Athens.....	E.O.	562	3,118.48	70,110	145	40	1.79	4.4
Aylmer.....	Nia.	1,985	10,313.74	543,580	650	70	1.32	1.9
Ayr.....	Nia.	769	5,147.56	237,704	203	98	2.11	2.2
Baden.....	Nia.	P.V.	3,953.20	200,508	137	122	2.40	2.0
Bath.....	E.O.	360	1,333.85	28,206	32	73	3.47	4.7
Beachville.....	Nia.	P.V.	2,925.29	119,311	135	73	1.81	2.5
Beaverton.....	G.B.	932	6,377.18	283,147	315	74	1.67	2.3
Beeton.....	G.B.	621	3,705.27	70,936	128	46	2.41	5.2
Belle River.....	Nia.	742	3,465.42	114,790	212	45	1.36	3.0
Blenheim.....	Nia.	1,664	8,856.50	369,210	504	61	1.46	2.4
Bloomfield.....	E.O.	677	3,220.96	87,376	154	47	1.74	3.7
Blyth.....	Nia.	615	3,602.73	90,243	165	46	1.82	4.0
Bolton.....	Nia.	560	3,750.97	138,055	158	73	1.97	2.7
Bothwell.....	Nia.	698	2,839.53	106,090	172	51	1.38	2.7
Bradford.....	G.B.	1,002	5,971.21	168,597	222	63	2.24	3.5
Brantford Twp.....	Nia.	.....	19,967.05	945,315	831	95	2.00	2.1
Brechin.....	G.B.	P.V.	959.75	20,960	40	44	2.00	4.6
Bridgeport.....	Nia.	P.V.	3,910.43	148,192	129	96	2.53	2.6
Brigden.....	Nia.	P.V.	2,197.19	49,866	110	39	1.71	4.6
Brighton.....	E.O.	1,427	9,981.05	209,330	486	36	1.71	4.8
Brussels.....	Nia.	786	5,053.77	115,316	218	44	1.93	4.4
Burford.....	Nia.	P.V.	3,999.13	174,548	186	78	1.79	2.3
Burgessville.....	Nia.	P.V.	1,105.35	32,031	51	52	1.81	3.5
Caledonia.....	Nia.	1,300	5,394.64	209,296	355	49	1.27	2.6
Campbellville.....	Nia.	P.V.	1,375.59	29,198	44	55	2.61	4.7

“D”—Continued

in Ontario Municipalities Served by the Commission
and for Power Service during the year 1935

VILLAGES AND SUBURBAN AREAS

however, exerts upon the economic life of the Province a most beneficial influence. It should further be appreciated that about 35 per cent of these municipalities obtain their power, not from Niagara, but from relatively small water-power developments throughout the Province. The net cost per kilowatt-hour given in the table is the cost inclusive of all charges. Consult also introduction to Statement “D,” page 396.

Commercial Light service						Power service			Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw.-hr.	Revenue	Number of consumers	Average monthly horse-power	
\$ c.	kw.-hr.		kw.-hr.	\$ c.	cents	\$ c.			
4,333.27	213,307	87	204	4.15	2.0	25,316.58	16	922.6	591
1,173.81	36,289	27	112	3.62	3.2	1,511.26	3	63.7	177
1,430.57	38,208	38	84	3.14	3.7	1,105.05	2	41.4	171
4,489.93	91,789	109	70	3.43	4.9	5,731.16	15	192.4	433
4,797.50	126,449	103	102	3.88	3.8	3,042.32	13	142.9	463
2,499.23	47,970	49	81	4.25	5.2	625.61	2	23.5	208
1,700.52	78,171	39	167	3.67	2.2	699.39	5	33.5	321
857.65	17,944	22	68	3.25	4.8	304.70	1	10.1	68
1,730.80	35,328	35	84	4.12	4.9	173.72	2	5.0	137
3,837.63	73,322	84	73	3.81	5.2	1,893.09	4	89.3	282
1,357.08	34,975	44	66	2.57	3.9	1,308.64	1	34.6	190
6,896.33	354,320	141	209	4.08	1.9	3,402.24	10	173.7	801
1,799.52	64,365	44	122	3.41	2.8	221.22	4	12.7	251
1,568.12	55,004	35	131	3.73	2.8	5,450.74	3	218.3	175
756.20	12,750	16	66	3.94	5.9				48
633.64	20,122	22	76	2.40	3.2	9,712.99	4	381.0	161
2,606.48	106,980	65	137	3.34	2.4	1,090.21	9	69.5	389
2,463.75	47,318	39	101	5.26	5.2	1,830.19	4	74.0	171
1,707.74	50,969	40	106	3.56	3.4	1,183.64	2	30.7	254
6,413.09	278,215	122	190	4.38	2.3	4,548.91	9	154.0	635
1,247.79	30,223	30	84	3.47	4.1	1,351.68	6	43.8	190
1,675.98	40,858	52	65	2.69	4.1	1,358.56	6	49.9	223
1,040.48	26,843	35	64	2.48	3.9	2,151.70	9	98.1	202
1,344.14	51,395	47	91	2.38	2.6	818.93	5	57.8	224
3,237.58	73,215	60	102	4.50	4.4	2,866.34	9	173.1	291
4,005.53	201,537	47	357	7.10	2.0	2,918.00	4	119.0	882
1,100.84	21,547	28	64	3.27	5.1	1,044.54	3	35.5	71
925.03	27,041	20	113	3.85	3.4	458.75	5	16.8	154
1,859.71	43,098	43	83	3.60	4.3	817.73	5	29.0	158
4,932.97	123,927	97	106	4.24	4.0	2,394.10	10	133.0	593
2,569.70	61,855	64	81	3.35	4.2	729.72	2	25.0	284
1,060.45	48,986	32	128	2.76	2.2	1,102.58	2	51.5	220
570.43	14,029	18	65	2.64	4.1				69
3,942.37	186,493	90	172	3.71	2.1	1,809.15	6	75.8	451
460.34	12,970	9	120	4.26	3.5				53

STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers
For Domestic Service, for Commercial Light Service

Group III—SMALL TOWNS (less than 2,000 population),

Municipality	System	Popula- tion	Domestic service					
			Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			\$ c.	kw-hr.		kw-hr.	\$ c.	cts.
Cannington.....	G.B.	786	5,063.88	179,625	250	60	1.69	2.8
Cardinal.....	E.O.	1,428	7,249.25	242,802	333	61	1.81	3.0
Cayuga.....	Nia.	668	3,620.95	91,269	131	58	2.26	3.9
Chatsworth.....	G.B.	302	1,727.07	42,103	79	44	1.82	4.1
Chesley.....	G.B.	1,794	8,867.48	341,763	424	67	1.74	2.6
Chesterville.....	E.O.	970	5,448.59	230,432	233	82	1.95	2.4
Chippawa.....	Nia.	1,143	7,619.61	523,496	304	143	2.00	1.4
Clifford.....	Nia.	423	2,435.37	48,132	103	39	1.97	5.1
Clinton.....	Nia.	1,863	12,002.21	539,135	507	89	1.97	2.2
Cobden.....	E.O.	637	2,300.96	36,678	91	34	2.11	6.3
Colborne.....	E.O.	1,016	5,093.12	112,645	228	41	1.86	4.5
Coldwater.....	G.B.	608	2,657.03	108,332	137	66	1.62	2.5
Comber.....	Nia.	P.V.	2,110.24	69,355	93	62	1.89	3.0
Cookstown.....	G.B.	P.V.	2,232.39	38,110	104	31	1.79	5.9
Cottam.....	Nia.	P.V.	2,368.83	59,412	104	48	1.90	4.0
Courtright.....	Nia.	332	1,472.47	22,306	58	32	2.13	6.6
Creemore.....	G.B.	656	3,455.85	94,653	138	57	2.09	3.7
Dashwood.....	Nia.	P.V.	1,403.66	37,132	65	48	1.80	3.8
Delaware.....	Nia.	P.V.	1,541.91	68,689	55	104	2.34	2.2
Deseronto.....	E.O.	1,395	5,901.56	141,400	288	41	1.71	4.2
Dorchester.....	Nia.	P.V.	2,254.65	91,625	129	59	1.46	2.5
Drayton.....	Nia.	569	3,010.51	95,567	155	51	1.62	3.2
Dresden.....	Nia.	1,479	6,274.99	231,816	373	52	1.40	2.7
Drumbo.....	Nia.	P.V.	1,945.04	72,646	81	75	2.00	2.6
Dublin.....	Nia.	P.V.	1,296.91	22,108	43	43	2.51	5.9
Dundalk.....	G.B.	709	2,886.92	90,103	164	46	1.47	3.2
Durham.....	G.B.	1,325	6,783.20	310,457	412	63	1.37	2.2
Dutton.....	Nia.	780	3,411.12	140,672	208	56	1.37	2.4
East York Twp.....	Nia.	.....	184,387.47	9,149,112	9,229	83	1.66	2.0
Elmvale.....	G.B.	P.V.	2,817.58	96,288	157	51	1.50	2.9
Elmwood.....	G.B.	P.V.	1,206.22	22,707	60	32	1.68	5.3
Elora.....	Nia.	1,133	7,270.54	302,284	312	81	1.95	2.4
Embro.....	Nia.	408	2,717.14	100,754	99	85	2.29	2.7
Erieau.....	Nia.	281	3,805.08	87,374	166	44	1.91	4.4
Erie Beach.....	Nia.	.....	1,606.51	19,119	68	23	1.97	8.4
Essex.....	Nia.	1,689	7,706.45	326,692	435	63	1.48	2.4
Etobicoke Twp.....	Nia.	.....	118,138.64	7,747,440	3,542	182	2.78	1.5
Exeter.....	Nia.	1,597	11,860.42	525,865	445	98	2.22	2.3
Finch.....	E.O.	400	1,854.26	52,639	82	53	1.88	3.5
Flesherton.....	G.B.	469	2,517.39	69,498	140	41	1.50	3.6

"D"—Continued

in Ontario Municipalities Served by the Commission
and for Power Service during the year 1935

VILLAGES AND SUBURBAN AREAS

Commercial Light service						Power service			Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average monthly horse-power	
\$ c.	kw-hr.		kw-hr.	\$ c.	cents	\$ c.			
2,290.45	73,250	72	85	2.65	3.1	583.74	10	29.2	332
1,959.48	74,283	58	107	2.82	2.7	551.64	2	17.0	393
3,052.74	72,288	56	107	4.49	4.2	1,462.73	5	42.3	192
1,164.87	23,573	33	60	2.94	4.9				112
4,333.86	168,366	98	143	3.69	2.6	9,130.35	19	365.3	541
2,677.54	96,428	70	115	3.19	2.8	1,945.05	4	82.2	307
1,395.02	81,099	40	169	2.87	1.7	1,162.46	5	36.5	349
1,654.39	38,167	39	82	3.53	4.3	144.61	1	5.0	143
6,119.47	237,263	127	156	4.02	2.6	5,281.12	14	204.5	648
2,722.86	34,566	47	61	4.83	7.9	293.19	1	10.5	139
3,323.44	79,399	78	85	3.55	4.2	789.11	4	34.7	310
1,815.63	58,982	57	86	2.65	3.1	5,588.64	3	218.1	197
2,204.54	63,781	48	111	3.83	3.5	3,346.45	3	88.2	144
1,197.78	21,438	31	53	3.22	5.6	820.94	3	47.0	138
1,194.80	39,694	25	132	3.98	3.0	455.47	1	15.0	130
963.86	16,768	24	58	3.35	5.9	806.37	3	14.0	85
2,150.25	45,730	58	66	3.09	4.7	960.88	3	50.3	199
907.14	18,355	25	61	3.02	4.9	807.59	1	28.7	91
584.16	22,378	19	98	2.56	2.6				74
2,406.03	49,647	73	57	2.75	4.8	1,958.03	8	76.1	369
886.55	33,239	28	99	2.64	2.7	515.37	2	30.7	159
1,934.63	51,464	63	68	2.56	3.7	1,221.37	3	52.3	221
5,092.41	207,678	114	152	3.72	2.4	4,525.13	10	197.0	497
787.39	23,143	24	80	2.73	3.4	660.24	1	22.5	106
773.47	14,585	25	49	2.58	5.3	337.26	2	15.8	70
2,417.17	71,577	73	82	2.76	3.4	2,399.02	4	132.9	241
4,789.22	185,210	108	143	3.70	2.6	3,420.40	8	187.2	523
2,466.43	95,261	66	120	3.11	2.6	3,546.38	8	148.4	282
25,403.94	1,376,963	405	283	5.23	1.8	35,394.15	31	1,482.3	9,665
1,730.89	61,610	55	93	2.62	2.8	2,846.06	7	135.8	219
642.85	14,260	20	59	2.68	4.5	1,354.50	1	34.4	81
3,570.61	114,434	72	129	4.02	3.1	2,995.07	2	128.4	386
1,677.60	44,462	47	79	2.97	3.8	1,323.78	1	38.3	147
1,455.68	34,213	12	238	10.11	4.3	762.19	2	28.9	180
324.02	6,512	3	181	9.00	5.0				71
4,847.22	205,925	116	148	3.48	2.4	5,937.58	17	246.1	563
17,000.43	907,778	228	332	6.21	1.9	18,414.46	30	847.5	3,800
5,384.47	182,974	114	134	3.94	2.9	4,245.16	8	186.5	567
1,377.87	33,482	30	93	3.83	4.1	541.81	1	14.6	113
1,862.90	46,124	52	74	2.99	4.0	401.71	2	23.3	194

STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers
For Domestic Service, for Commercial Light Service

Group III—SMALL TOWNS (less than 2,000 population),

Municipality	System	Popula- tion	Domestic service					
			Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			\$ c.	kw-hr.		kw-hr.	\$ c. cts.	
Fonthill.....	Nia.	808	5,091.36	191,410	201	79	2.05	2.6
Forest.....	Nia.	1,496	10,588.91	411,840	460	75	1.92	2.6
Glencoe.....	Nia.	833	5,414.90	179,573	216	69	2.09	3.0
Grand Valley.....	G.B.	575	3,296.62	74,847	155	40	1.77	4.4
Granton.....	Nia.	P.V.	1,911.17	80,032	81	82	1.97	2.4
Gravenhurst.....	G.B.	1,985	9,033.45	525,076	457	98	1.68	1.7
Hagersville.....	Nia.	1,399	5,033.46	242,423	340	59	1.18	2.0
Harriston.....	Nia.	1,329	7,846.54	235,443	338	58	1.93	3.3
Harrow.....	Nia.	934	7,703.30	411,104	258	133	2.49	1.9
Hastings.....	E.O.	795	3,807.68	91,054	192	40	1.65	4.2
Havelock.....	E.O.	1,119	5,457.28	159,200	273	49	1.67	3.4
Hensall.....	Nia.	697	4,217.34	144,807	185	65	1.90	2.9
Highgate.....	Nia.	334	1,813.45	48,661	96	42	1.57	3.7
Holstein.....	G.B.	P.V.	1,225.33	10,985	54	17	1.89	11.2
Jarvis.....	Nia.	535	2,530.74	62,998	128	41	1.64	4.0
Kemptville.....	E.O.	1,272	6,939.85	247,809	334	62	1.73	2.8
Kirkfield.....	G.B.	P.V.	850.22	13,062	30	36	2.36	6.5
Lakefield.....	E.O.	1,335	6,006.00	202,809	317	53	1.58	3.0
Lambeth.....	Nia.	P.V.	3,360.34	153,102	111	115	2.52	2.2
Lanark.....	E.O.	623	2,869.03	63,252	157	34	1.52	4.5
Lancaster.....	E.O.	609	2,187.87	32,795	86	32	2.12	6.7
La Salle.....	Nia.	671	5,367.42	240,426	173	116	2.59	2.2
London Twp.....	Nia.	.....	11,682.22	768,516	355	180	2.74	1.5
Lucan.....	Nia.	604	4,392.40	171,166	171	83	2.14	2.6
Lucknow.....	G.B.	1,055	6,663.07	175,066	270	54	2.06	3.8
Lynden.....	Nia.	P.V.	2,135.02	73,772	84	73	2.12	2.9
Madoc.....	E.O.	1,088	4,433.05	146,661	260	47	1.42	3.0
Markdale.....	G.B.	793	3,661.07	126,199	190	55	1.61	2.9
Markham.....	Nia.	1,092	7,119.53	294,471	283	87	2.10	2.4
Marmora.....	E.O.	984	3,809.96	69,759	204	28	1.56	5.5
Martintown.....	E.O.	P.V.	777.79	13,232	36	31	1.80	5.9
Maxville.....	E.O.	732	3,356.03	53,590	143	31	1.96	6.3
Merlin.....	Nia.	P.V.	2,215.32	59,704	109	46	1.69	3.7
Mildmay.....	G.B.	741	2,795.98	63,552	145	37	1.61	4.4
Milton.....	Nia.	1,775	11,578.66	535,731	455	98	2.12	2.2
Milverton.....	Nia.	996	5,265.84	238,383	228	87	1.92	2.2
Mitchell.....	Nia.	1,526	10,882.39	610,602	441	113	2.01	1.8
Moorefield.....	Nia.	P.V.	1,149.17	23,281	59	33	1.62	4.9
Mt. Brydges.....	Nia.	P.V.	2,791.27	118,030	135	73	1.72	2.4
Mt. Forest.....	G.B.	1,826	7,884.77	371,940	456	68	1.44	2.1

"D"—Continued

in Ontario Municipalities Served by the Commission
and for Power Service during the year 1935

VILLAGES AND SUBURBAN AREAS

Commercial Light service						Power service			Total number of con- sumers
Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of con- sumers	Average monthly horse- power	
\$ c.	kw-hr.		kw-hr.	\$ c. cents		\$ c.			
1,293.81	61,312	29	176	3.69	2.1	562.65	4	18.1	234
5,397.78	164,598	112	122	4.02	3.3	4,919.01	21	187.4	593
3,213.47	90,121	83	90	3.23	3.6	3,055.88	6	101.0	305
1,778.89	33,447	48	58	3.09	5.3	1,825.96	5	77.0	208
1,179.97	42,827	34	105	2.89	2.8	733.74	1	36.8	116
6,979.79	342,643	106	269	5.49	2.0	8,990.45	14	438.8	577
4,611.55	253,816	108	196	3.53	1.8	9,991.60	14	357.7	462
4,847.39	134,961	99	114	4.08	3.6	5,858.47	13	238.7	450
3,586.11	135,495	74	153	4.04	2.6	3,625.24	3	138.4	335
1,691.08	36,574	56	54	2.52	4.6	501.76	5	19.9	253
2,495.43	51,176	58	74	3.59	4.9	2,551.53	3	89.4	334
1,867.18	54,210	52	87	2.99	3.4	2,606.84	14	113.6	251
937.39	22,550	37	51	2.11	4.2	1,233.63	6	57.1	139
593.64	6,066	19	27	2.60	9.8				73
1,831.90	52,943	43	102	3.57	3.5	3,769.97	3	119.0	174
4,451.28	162,303	78	173	4.75	2.7	4,721.34	7	180.8	419
1,146.66	19,180	19	84	5.03	6.0				49
3,564.17	141,843	69	171	4.30	2.5	1,444.03	5	108.2	391
1,461.58	46,476	28	138	4.35	3.1	517.30	1	27.5	140
1,274.30	34,152	36	79	2.95	3.7				193
1,478.87	21,280	33	54	3.73	6.9				119
1,386.16	45,031	16	235	7.22	3.1	2,444.97	4	76.9	193
2,452.07	136,866	23	496	8.90	1.8	1,722.31	4	58.0	382
1,762.57	54,365	42	108	3.50	3.2	302.18	6	22.5	219
3,152.67	68,972	64	90	4.11	4.6	3,885.49	6	135.2	340
698.22	33,648	20	140	2.91	2.1	770.60	1	35.0	105
3,521.87	100,825	98	86	2.99	3.5	1,017.96	5	80.8	363
2,712.22	82,939	74	93	3.05	3.3	985.26	10	73.5	274
2,728.17	99,307	70	118	3.25	2.7	2,887.31	8	118.1	361
1,741.47	42,267	49	72	3.11	4.1	428.18	3	30.5	256
887.03	18,805	22	71	3.36	4.7				58
2,551.39	43,034	47	76	4.52	5.9				190
1,514.97	42,739	43	83	2.94	3.5	950.20	1	27.7	153
2,013.83	41,039	43	80	3.90	4.9	712.82	2	20.5	190
5,543.41	241,376	106	190	4.36	2.3	8,926.65	17	359.0	578
3,043.51	99,312	75	113	3.45	3.1	2,860.16	6	164.7	309
4,709.69	209,094	113	154	3.47	2.3	4,389.67	23	226.0	577
637.63	12,358	25	41	2.13	5.2	1,236.32	2	43.3	86
829.97	40,126	37	90	1.87	2.1	831.44	3	28.7	175
5,709.18	240,136	149	134	3.19	2.4	5,241.03	13	286.8	618

STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers
For Domestic Service, for Commercial Light Service
Group III—SMALL TOWNS (less than 2,000 population),

Municipality	System	Popula- tion	Domestic service					
			Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw.-hr.
			\$ c.	kw.-hr.		kw.-hr.	\$ c. cts.	
Neustadt.....	G.B.	491	2,105.34	24,950	94	22	1.87	8.4
Newbury.....	Nia.	265	1,289.69	25,585	65	33	1.65	5.0
New Hamburg.....	Nia.	1,449	9,814.31	445,284	343	108	2.38	2.2
Niagara-on-the- Lake.....	Nia.	1,569	14,262.48	925,071	481	161	2.48	1.5
Nipigon.....	T.B.	P.V.	2,817.18	81,803	141	48	1.67	3.4
North York Twp.....	Nia.	.....	110,011.37	5,255,130	3,107	141	2.95	2.1
Norwich.....	Nia.	1,174	8,199.02	423,266	342	103	2.00	1.9
Norwood.....	E.O.	761	4,517.98	118,305	212	47	1.77	3.8
Oil Springs.....	Nia.	463	1,555.87	47,698	76	52	1.71	3.3
Omeme.....	E.O.	509	2,402.83	65,726	129	42	1.55	3.7
Otterville.....	Nia.	P.V.	2,204.62	79,563	109	61	1.69	2.8
Paisley.....	G.B.	728	4,001.16	77,614	184	35	1.81	5.2
Palmerston.....	Nia.	1,470	9,421.62	402,021	378	89	2.08	2.3
Parkhill.....	Nia.	1,023	4,954.75	105,435	244	36	1.71	4.7
Plattsville.....	Nia.	P.V.	2,584.50	59,929	98	51	2.20	4.3
Point Edward.....	Nia.	1,222	5,716.70	217,854	306	59	1.56	2.6
Port Credit.....	Nia.	1,670	13,319.36	918,980	400	191	2.77	1.4
Port Dalhousie.....	Nia.	1,410	14,363.97	938,233	609	128	1.92	1.5
Port Dover.....	Nia.	1,692	7,370.72	266,840	498	45	1.36	2.8
Port Elgin.....	G.B.	1,301	7,035.14	284,119	390	61	1.50	2.5
Port McNicoll.....	G.B.	935	3,202.80	101,392	199	42	1.34	3.2
Port Perry.....	G.B.	1,146	6,864.06	217,560	316	57	1.81	3.2
Port Rowan.....	Nia.	644	3,431.57	61,226	107	47	2.63	5.6
Port Stanley.....	Nia.	759	13,286.59	609,978	711	72	1.56	2.2
Priceville.....	G.B.	P.V.	598.03	6,650	33	17	1.51	9.0
Princeton.....	Nia.	P.V.	2,075.03	64,087	78	68	2.22	3.2
Queenston.....	Nia.	P.V.	3,296.19	148,858	68	182	4.00	2.2
Richmond.....	E.O.	425	1,738.00	46,476	56	69	2.59	3.7
Richmond Hill.....	Nia.	1,236	6,953.69	423,342	339	104	1.71	1.6
Ripley.....	G.B.	450	3,170.70	60,580	118	43	2.24	5.2
Rockwood.....	Nia.	P.V.	3,141.51	132,860	138	80	1.90	2.4
Rodney.....	Nia.	729	3,379.11	109,356	203	45	1.39	3.1
Rosseau.....	G.B.	300	3,214.67	47,389	62	64	4.32	6.8
Russell.....	E.O.	P.V.	2,614.88	45,633	111	34	1.96	5.7
St. Clair Beach.....	Nia.	79	2,074.70	70,525	43	136	3.94	2.9
St. George.....	Nia.	P.V.	3,128.14	128,082	136	78	1.92	2.4
St. Jacobs.....	Nia.	P.V.	4,128.85	198,410	116	143	2.97	2.1
Scarboro Twp.....	Nia.	.....	98,499.04	4,956,070	4,573	90	1.79	2.0
Seaforth.....	Nia.	1,697	10,323.85	507,769	481	88	1.79	2.0
Shelburne.....	G.B.	1,166	5,426.58	194,981	273	60	1.68	2.8

"D"—Continued

in Ontario Municipalities Served by the Commission
and for Power Service during the year 1935

VILLAGES AND SUBURBAN AREAS

Commercial Light service						Power service			Total number of con- sumers
Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of con- sumers	Average monthly horse- power	
\$ c.	kw-hr.		kw-hr.	\$ c.	cents	\$ c.			
1,449.53	20,441	30	57	4.03	7.1	39.00	1	2.0	125
751.44	15,557	23	56	2.72	4.8	735.49	2	37.8	90
4,258.70	133,308	96	116	3.70	3.2	5,154.35	12	236.2	451
3,750.82	221,120	82	225	3.82	1.7	3,043.41	11	115.1	574
2,319.21	79,824	41	162	4.71	2.9	896.57	2	41.4	184
17,120.86	605,774	242	209	5.90	2.8	32,843.49	36	1,028.3	3,385
3,592.40	145,959	88	138	3.40	2.5	2,109.52	6	99.4	436
2,299.10	53,951	61	74	3.14	4.3	671.05	2	23.5	275
1,305.00	38,224	31	103	3.51	3.4	7,568.99	32	190.5	139
1,331.05	37,499	49	64	2.26	3.6	2,128.66	6	75.8	184
1,598.82	52,004	45	96	2.96	3.1	613.39	3	21.5	157
2,663.59	70,094	55	106	4.04	3.8	1,156.23	4	52.7	243
4,928.57	196,487	96	171	4.28	2.5	6,919.71	12	378.3	486
3,107.98	77,560	78	82	3.30	4.0	790.88	3	28.2	325
1,024.07	25,522	25	85	3.41	4.0	905.33	1	22.5	124
1,699.01	54,162	46	98	3.08	3.1	31,291.68	9	1,169.0	361
5,411.38	296,400	78	317	5.78	1.8	3,380.83	6	141.1	484
2,536.15	138,622	65	177	3.86	1.9	5,863.41	14	310.3	688
3,950.08	163,337	122	111	2.66	2.4	4,996.19	12	224.5	632
4,099.18	140,623	92	127	3.71	2.9	4,316.30	9	217.3	491
801.70	21,324	30	59	2.23	3.8				229
3,041.57	85,045	81	87	3.13	3.6	3,197.62	10	135.5	407
1,703.35	27,162	30	75	4.72	6.3	87.01	1	7.1	138
3,683.71	121,751	97	104	3.17	3.0	4,273.69	8	142.0	816
329.26	4,989	9	46	3.05	6.6				42
700.94	19,936	20	83	2.92	3.5	2,999.55	3	83.3	101
984.64	43,139	11	327	7.52	2.3				79
1,662.40	37,864	25	126	5.54	4.4				81
3,632.71	190,977	68	234	4.45	1.9	2,383.49	17	136.4	424
1,580.82	21,439	44	41	2.99	7.4				162
1,046.25	37,364	35	89	2.49	2.8	352.02	2	11.7	175
2,190.09	64,334	75	71	2.43	3.4	2,042.81	5	85.9	233
1,003.42	11,242	20	47	4.18	8.9				82
1,355.54	28,208	34	69	3.32	4.8				145
2,100.02	61,840	3	1717	58.38	3.4	53.86	1	2.5	47
1,321.24	47,229	36	109	3.06	2.8	2,250.52	3	80.5	175
1,370.88	41,017	27	127	4.23	3.3	2,181.93	7	95.3	150
19,996.06	962,000	362	221	4.60	2.1	22,416.10	37	854.7	4,972
5,502.97	222,790	123	151	3.73	2.5	5,995.00	17	296.6	621
3,697.60	118,522	80	123	3.85	3.1	2,745.90	14	156.7	367

STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers
For Domestic Service, for Commercial Light Service
Group III—SMALL TOWNS (less than 2,000 population),

Municipality	System	Popula- tion	Domestic service					
			Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			\$ c.	kw-hr.		kw-hr.	\$ c. cts.	
Southampton.....	G.B.	1,355	7,013.32	259,795	412	53	1.42	2.7
Springfield.....	Nia.	380	1,779.48	52,711	97	45	1.53	3.4
Stamford Twp.....	Nia.	.....	56,380.59	4,085,452	1,686	202	2.78	1.4
Stayner.....	G.B.	900	4,413.06	187,523	251	62	1.46	2.4
Stirling.....	E.O.	935	5,422.75	290,766	279	87	1.62	1.9
Stouffville.....	Nia.	1,169	7,083.72	246,749	346	59	1.71	2.9
Streetsville.....	Nia.	671	5,230.68	223,425	205	91	2.12	2.3
Sunderland.....	G.B.	P.V.	2,404.37	46,424	115	34	1.74	5.2
Sutton.....	Nia.	812	7,438.92	192,578	406	40	1.53	3.9
Tara.....	G.B.	509	2,762.70	74,712	136	46	1.61	3.7
Tavistock.....	Nia.	1,033	6,944.33	326,210	259	105	2.23	2.1
Teeswater.....	G.B.	796	4,463.87	89,138	194	38	1.92	5.0
Thamesford.....	Nia.	P.V.	2,629.32	119,918	121	82	1.81	2.2
Thamesville.....	Nia.	710	3,704.13	143,520	218	55	1.42	2.6
Thedford.....	Nia.	575	3,006.75	56,344	131	36	1.91	5.3
Thorndale.....	Nia.	P.V.	1,476.68	38,309	66	48	1.87	3.9
Thornton.....	G.B.	P.V.	1,414.27	17,069	56	25	2.10	8.3
Tilbury.....	Nia.	1,937	7,004.30	310,808	440	59	1.33	2.3
Toronto Twp.....	Nia.	.....	63,295.61	3,480,917	1,957	148	2.70	1.8
Tottenham.....	G.B.	514	3,314.63	57,892	130	37	2.12	5.7
Trafalgar Twp. Area No. 1.....	Nia.	.....	13,541.51	610,020	300	169	3.76	2.2
Trafalgar Twp. Area No. 2.....	Nia.	.....	5,863.90	186,688	152	102	3.21	3.1
Tweed.....	E.O.	1,247	6,085.79	130,816	261	42	1.94	4.7
Uxbridge.....	G.B.	1,514	8,184.49	279,700	369	63	1.85	2.9
Victoria Harbour.....	G.B.	1,164	2,942.15	86,284	177	41	1.38	3.4
Wardsville.....	Nia.	247	1,136.06	17,972	50	30	1.89	6.3
Warkworth.....	E.O.	P.V.	2,360.65	43,498	116	31	1.70	5.4
Waterdown.....	Nia.	932	5,732.70	285,840	228	104	2.08	2.0
Waterford.....	Nia.	1,202	6,015.29	342,350	324	88	1.54	1.7
Watford.....	Nia.	916	6,517.92	220,060	273	67	1.99	3.0
Waubashene.....	G.B.	P.V.	2,348.42	109,704	148	62	1.32	2.1
Wellesley.....	Nia.	P.V.	2,728.08	75,600	128	49	1.78	3.6
Wellington.....	E.O.	916	4,874.01	210,462	295	59	1.38	2.3
West Lorne.....	Nia.	747	2,858.39	93,840	190	41	1.25	3.0
Westport.....	E.O.	704	3,017.86	56,690	93	51	2.70	5.3
Wheatley.....	Nia.	743	3,908.05	117,408	156	63	2.09	3.3
Wiarton.....	G.B.	1,782	8,556.89	179,215	359	42	1.98	4.8
Williamsburg.....	E.O.	P.V.	3,962.02	239,944	112	179	2.95	1.7
Winchester.....	E.O.	943	6,484.19	326,898	279	98	1.94	2.0
Windermere.....	G.B.	127	2,620.16	34,969	51	58	4.35	7.5
Woodbridge.....	Nia.	742	6,551.39	288,292	256	94	2.13	2.3
Woodville.....	G.B.	442	2,137.73	56,797	112	42	1.59	3.8
Wyoming.....	Nia.	492	2,694.32	58,546	132	37	1.70	4.6
Zurich.....	Nia.	P.V.	3,067.54	76,169	122	52	2.10	4.0

“D”—Concluded

in Ontario Municipalities Served by the Commission and for Power Service during the year 1935

VILLAGES AND SUBURBAN AREAS

Commercial Light service						Power service			Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average monthly horse-power	
\$ c.	kw-hr.		kw-hr.	\$ c.	cents	\$ c.			
3,077.18	100,126	79	106	3.25	3.1	3,450.92	11	130.7	502
746.98	18,494	30	51	2.07	4.0	2,137.63	4	72.9	131
7,241.24	477,175	103	386	5.79	1.5	11,568.53	13	570.3	1,802
2,914.94	110,612	86	107	2.82	2.6	2,520.94	10	148.7	347
3,649.39	136,954	87	131	3.50	2.7	1,838.20	9	79.9	375
3,011.58	94,451	78	101	3.22	3.2	831.77	4	36.6	428
1,823.66	41,795	45	77	3.38	4.4	2,943.30	4	87.6	209
2,914.29	85,672	76	94	3.19	3.4	61.82	1	5.0	161
1,524.22	77,068	41	157	3.10	2.0	994.86	5	27.6	487
2,279.37	94,334	77	102	2.47	2.4	947.00	3	34.9	180
2,541.70	55,895	51	91	4.15	4.5	9,703.07	7	365.8	343
1,402.33	57,954	41	118	2.85	2.4	1,099.38	5	94.4	250
2,562.53	105,882	76	116	2.81	2.4	1,477.34	7	60.0	169
1,850.68	32,867	43	64	3.59	5.6	1,408.92	6	65.7	300
934.68	23,388	21	93	4.10	4.0	1,118.60	3	29.7	177
641.18	6,067	16	32	3.34	10.6	223.01	1	5.4	88
8,825.56	422,168	138	255	5.33	2.1	270.98	2	15.7	74
14,329.80	660,901	177	311	6.75	2.2	9,876.40	13	539.1	599
1,783.77	25,714	47	46	3.16	6.9	9,705.70	24	433.0	2,158
697.11	18,575	2	774	29.05	3.8	500.83	7	25.2	184
4,636.73	75,554	89	71	4.34	6.1	669.66	10	31.4	312
3,569.90	96,125	95	84	3.13	3.7	2,661.87	11	114.3	152
878.73	31,739	28	94	2.62	2.8	920.89	10	65.1	361
1,112.22	19,514	24	68	3.86	5.7	132.60	2	6.0	474
1,569.74	33,099	41	67	3.19	4.7				207
1,677.52	83,670	35	199	3.98	2.0	2,147.26	7	105.7	74
1,790.73	96,465	68	118	2.18	1.8	4,551.90	11	237.7	157
3,452.57	117,075	75	130	3.84	2.9	2,763.54	5	103.0	270
636.08	24,130	23	87	2.30	2.6				403
1,554.26	37,200	44	70	2.94	4.2	179.35	2	7.0	353
2,002.49	67,300	65	86	2.57	3.0	1,900.11	6	64.0	173
1,348.01	47,017	49	80	2.29	2.9	2,015.33	5	62.0	178
2,520.91	40,153	50	67	4.20	6.3	898.77	3	37.3	365
2,607.04	70,888	58	102	3.75	3.7				242
6,299.53	138,821	114	110	4.60	4.5	1,760.23	3	69.3	143
7,563.38	365,990	65	469	9.70	2.1	4,131.66	15	153.6	217
3,262.38	129,542	69	156	3.94	2.5	240.82	1	13.2	488
1,149.62	18,681	13	120	7.37	6.2	1,479.58	2	41.4	178
1,900.53	72,014	49	122	3.23	2.6				350
1,120.32	24,793	28	74	3.33	4.5	5,470.18	7	240.5	64
1,653.48	35,784	50	60	2.76	4.6	741.36	2	34.7	312
2,138.03	41,679	48	72	3.71	5.1	230.68	2	16.0	142
									184
									170

STATEMENT "E"

Cost of Power to Municipalities and Rates to Consumers for Domestic Service—Commercial Light Service—Power Service in Ontario Urban Municipalities Served by The Hydro-Electric Power Commission For the Year 1935

In Statement "E" are presented the rate schedules applicable to consumers for domestic service, for commercial light service and for power service in each of the co-operating municipalities receiving service at cost through The Hydro-Electric Power Commission.* The cost per horsepower of the power supplied at wholesale by the Commission to the municipality, an important factor in determining rates to consumers, is also stated.

Cost of Power to Municipalities

The figures in the first column represent the total cost for the year of the power supplied by the Commission to the municipality, divided by the number of horsepower supplied. Details respecting these costs are given in the "Cost of Power" tables relating to the several systems, as presented in Section IX, and an explanation of the items making up the cost of power is given in the introduction to that Section.

Rates to Consumers

The Power Commission Act stipulates that "The rates chargeable by any municipal corporation generating or receiving and distributing electrical power or energy shall at all times be subject to the approval and control of the Commission." In accordance with the Act and in pursuance of its fundamental principle of providing service at cost, the Commission requires that accurate cost records be kept in each municipality, and exercises a continuous supervision over the rates charged to consumers.

At the commencement of its operations, the Commission introduced scientifically-designed rate schedules for each of the three main classes into which the electrical service is usually divided, namely: residential or domestic service, commercial light service, and power service, and the schedules in use during the past year are presented in the tables of this statement.

*Except townships served as parts of rural power districts, for which consult latter part of Section III.

Domestic Service: Domestic rates apply to electrical service in residences, for all household purposes, including lighting, cooking and the operation of all domestic appliances.

Commercial Light Service: Electrical energy used in stores, offices, churches, schools, public halls and institutions, hotels, public boarding-houses, and in all other premises for commercial purposes, including sign and display lighting, is billed at commercial lighting rates.

Water-Heater Service: For all consumers using continuous electric water heaters, low flat rates are available consisting of a fixed charge per month dependent on the capacity of the heating element and the cost of power to the municipal utility. Such heaters are so connected that the electrical energy they consume is not metered. For new installations the necessary equipment, including heater, thermostat, efficient insulation for water storage tank, and wiring, is installed by The Hydro-Electric Power Commission of Ontario without capital cost to the consumer or to the municipal electric utility.†

Power Service: The rate schedules given for power service in Statement "E" are those governing the supply of power at retail by each of the local municipal utilities. The average amount of power sold, per consumer, under these rates is approximately 40 horsepower—consult Statement "D." The Commission serves certain large power consumers direct on behalf of the various systems of municipalities.

The rates for power service, as given in the tables, are the rates for 24-hour unrestricted power at secondary distribution voltage. For service at primary distribution voltage the rates are usually five per cent lower than those stated. In municipalities where load conditions and other circumstances permit, lower rates are available for 10-hour power, and for other forms of restricted service. For these classifications, discounts additional to those listed in the table are applicable.

The service charge relates to the connected load or to the maximum demand, as measured by a 10-minute average peak, where a demand meter is installed. The prompt payment discount of 10 per cent on the total monthly bill is given for settlement within 10 days.

Under the tabulation of rates for power service there is a column headed "Basis of rate 130 hours monthly use of demand." This column shows approximately the net annual amount payable for a demand of one horsepower, assuming a monthly use of 130 hours, which includes 30 hours' use each month at the third energy rate. Broadly, the figures in this column serve to indicate approximately the relative cost of power service in the different municipalities listed.

†In addition, the Commission supplies booster water-heating equipment to furnish extra requirements beyond the capacity of the continuous heater; current for the booster heater is measured and charged for at the regular rates.

STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for
for the Year 1935, in Urban Municipalities**

Municipality*	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
C—City T—Town (pop. 2,000 or more)							
	\$ c.	cents		cents	cents	\$ c.	%
Acton.....	30.67	33-66	60	2.2	1.1	0.83	10
Agincourt.....	36.68	33-66	50	4	1.5	1.11	10
Ailsa Craig.....	45.94	33-66	55	3.5	1.5	0.83	10
Alexandria.....T	55.28	33-66	60	5	2	1.11	10
Alliston.....	53.58	33-66	40	4.5	2	1.39	10
Alvinston.....	70.14	33-66	60	6	2	2.22	10
Amherstburg.....T	35.99	33-66	55	2.8	1.3	0.83	10
Ancaster twp.....	32.49	33-66	55	3	1.5	0.83	10
Apple Hill.....	47.17	33-66	60	6	2	1.66	10
Arkona.....	67.90	33-66	55	6	2	1.94	10
Arthur.....	63.55	33-66	40	6	2	1.67	10
Athens.....	47.26	33-66	50	4.5	1.5	1.11	10
Aylmer.....T	33.29	33-66	60	2.1	1	0.83	10
Ayr.....	31.55	33-66	55	3	1.25	1.11	10
Baden.....	32.34	33-66	60	2.5	1.25	0.83	10
Barrie.....T	29.63	33-66	60	2.5	1.25	0.83	10
Bath.....	68.03	33-66	40	6	2	3.33	10
Beachville.....	31.39	33-66	55	3	1.5	0.83	10
Beaverton.....	36.65	33-66	60	2.5	1	1.11	10
Beeton.....	69.48	33-66	40	6	2	1.67	10
Belle River.....	37.92	33-66	55	3.2	1.3	1.11	10
Belleville.....C	30.20	.....	55	3	1	0.83	10
Blenheim.....	37.03	33-66	60	2.5	1.25	0.83	10
Bloomfield.....	49.09	33-66	50	4	1.5	1.11	10
Blyth.....	50.23	33-66	50	4	2	1.39	10
Bolton.....	40.58	33-66	55	3.5	1.6	1.11	10
Bothwell.....	44.20	33-66	60	2.5	1.25	0.83	10
Bowmanville.....T	32.54	.....	60	4.5	1.5	0.83	10
Bradford.....	53.32	33-66	35	5.5	1.5	1.67	10
Brampton.....T	30.00	33-66	60	2	1	0.83	10
Brantford.....C	26.60	33-66	60	2	1	0.83	10
Brantford twp.....	31.25	33-66	60	2.5	1.25	1.11	10
Brechin.....	43.27	33-66	45	5	1.5	1.67	10
Bridgeport.....	34.36	33-66	50	4	1.5	1.11	10
Brigden.....	59.40	33-66	60	4	2	1.38	10
Brighton.....	36.03	.....	60	5.5	2	1.11	10
Brockville.....T	27.82	33-66	50	2	1	0.83	10 & 10
Brussels.....	47.69	33-33	50	4.5	2	1.66	10
Burford.....	33.71	33-66	60	2.3	1.2	1.11	10
Burgessville.....	53.12	33-66	50	4	2	1.11	10

*To distinguish them from the smaller municipalities and suburban districts the cities are indicated by a C and the towns of population 2,000 or more by a T; corresponding to the grouping in Statement "D."

NOTE.—Domestic service charge—33 cents per month per service when the permanently installed appliance load is under 2,000 watts and 66 cents per month when over 2,000 watts.

“E”

Domestic Service—Commercial Light Service—Power Service
Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours monthly use of demand	Service charge per h.p. per month	First 50 hr. per month per kw-hr.	Second 50 hr. per month per kw-hr.	All additional per kw-hr.	Minimum or maximum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
5	2.2	0.6	0.83	10	25.00	1.00	2	1.3	0.33	.....	.....	10
5	4	1	1.11	10	32.00	1.00	3.1	2	0.33	.....	.....	10
5	3.5	0.75	0.83	10	32.00	1.00	3.1	2	0.33	.....	.....	10
5	5	1	1.66	10	40.00	1.00	4.3	2.8	0.33	.....	.....	10
5	4.5	1	1.39	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10
7.5	6	1	2.22	10	59.00	1.00	7.1	4.7	0.33	.....	.....	10
5	2.8	0.75	0.83	10	33.00	1.00	3.2	2.1	0.33	.....	.....	10
5	3	0.75	0.83	10	31.00	1.00	2.9	1.9	0.33	.....	.....	10
5	6	1	1.66	10	55.00	1.00	6.5	4.3	0.33	.....	.....	10
7.5	6	1	1.94	10	55.00	1.00	6.5	4.3	0.33	.....	.....	10
5	6	1	1.67	10	50.00	1.00	5.7	3.8	0.33	.....	.....	10
5	4.5	1	1.11	10	58.00	1.00	6.9	4.6	0.33	.....	.....	10
5	2.1	0.6	0.83	10	26.00	1.00	2.2	1.4	0.33	.....	.....	10
5	3	0.75	1.11	10	38.00	1.00	4	2.6	0.33	.....	.....	10
5	2.5	0.75	0.83	10	26.00	1.00	2.2	1.4	0.33	.....	.....	10
5	2.5	1	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5	6	1	3.33	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10
5	3	0.75	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5	2.5	1	1.11	10	25.00	1.00	2	1.3	0.33	.....	.....	10
5	6	1	1.67	10	38.00	1.00	4	2.6	0.33	.....	.....	10
5	3.2	0.75	1.11	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10
5	2.3	0.8	0.83	10	20.00	1.00	1.6	1	0.33	.....	10	10
5	2.5	0.75	0.83	10	34.00	1.00	3.4	2.2	0.33	.....	.....	10
5	4	1	1.11	10	45.00	1.00	4.9	3.3	0.33	.....	.....	10
5	4	1	1.39	10	55.00	1.00	6.5	4.3	0.33	.....	.....	10
5	3.5	1	1.11	10	36.00	1.00	3.7	2.4	0.33	.....	.....	10
5	2.5	0.75	0.83	10	38.00	1.00	4	2.6	0.33	.....	.....	10
5	4	1	0.83	10	27.00	1.00	2.3	1.5	0.33	.....	.....	10
5	5.5	1	1.67	10	38.00	1.00	4	2.6	0.33	.....	.....	10
5	2	0.75	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
.....	†3.5	0.35	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
	††1.75											
5	2.5	0.75	1.11	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5	5	1	1.67	10	45.00	1.00	4.9	3.3	0.33	.....	.....	10
5	4	0.75	1.11	10	32.00	1.00	3.1	2	0.33	.....	.....	10
5	4	1	1.38	10	48.00	1.00	5.4	3.6	0.33	.....	.....	10
5	5	1	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10
5	2	0.75	0.83	10&10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5	4.5	1	1.66	10	50.00	1.00	5.7	3.8	0.33	.....	.....	10
5	2.3	0.75	1.11	10	32.00	1.00	3.1	2	0.33	.....	.....	10
5	4	1	1.11	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10

†First 30 hours' use per kw-hr.
††Next 70 hours' use per kw-hr.

STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for
for the Year 1935, in Urban Municipalities**

Municipality C—City T—Town (pop. 2,000 or more)	Annual cost to the Commission on the works to serve electrical energy to municip- ality on a horse- power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
		cents		cents	cents	\$ c.	%
Caledonia.....	30.39	33-66	60	2.3	1.2	0.83	10
Campbellville.....	57.17	33-66	40	6	2	2.22	10
Cannington.....	37.77	33-66	55	3	1.5	1.11	10
Cardinal.....	31.82	33-66	50	3	1.5	1.39	10
Carleton Place.....T	31.83	.....	50	4	1.5	0.83	10
Cayuga.....	47.38	33-66	45	5	2	1.66	10
Chatham.....C	30.13	.....	60	3.3	1.1	0.83	10
Chatsworth.....	40.13	33-66	45	4	1.5	1.67	10
Chesley.....	32.89	33-66	55	2.8	1.5	1.11	10
Chesterville.....	36.12	33-66	55	3	1.5	0.83	10
Chippawa.....	25.99	33-66	60	2.5	1.25	1.11	10
Clifford.....	52.73	33-66	50	5	2	1.66	10
Clinton.....	36.28	33-66	60	2.5	1.5	1.11	10
Cobden.....	.....	33-66	30	6	2	2.22	10
Cobourg.....T	32.70	.....	55	4	1.5	0.83	10
Colborne.....	35.33	33-66	60	5	1.5	0.83	10
Coldwater.....	33.89	33-66	55	2.5	1	1.11	10
Collingwood.....T	36.38	33-66	55	2.5	1	0.83	10
Comber.....	42.63	33-66	50	4	1.5	1.38	10
Cookstown.....	45.80	33-66	40	5.5	1.5	1.67	10
Cottam.....	42.48	33-66	50	4	1.5	1.66	10
Courtright.....	66.29	33-66	50	6	1.5	2.22	10
Creemore.....	52.01	33-66	45	4.5	1.5	1.66	10
Dashwood.....	44.46	33-66	45	4.5	1.5	1.11	10
Delaware.....	40.18	33-66	50	3.5	2	1.11	10
Deseronto.....	51.21	33-66	50	4.5	1.5	0.83	10
Dorchester.....	38.99	33-66	60	2.5	1.4	0.83	10
Drayton.....	52.94	33-66	55	3.5	1.5	1.11	10
Dresden.....	41.06	33-66	60	2.5	1.25	1.11	10
Drumbo.....	37.55	33-66	50	3.5	1.5	1.11	10
Dublin.....	57.81	33-66	60	6	2	1.67	10
Dundalk.....	33.82	33-66	55	3	1.5	1.11	10
Dundas.....T	26.22	33-66	60	2	1	0.83	10
Dunnville.....T	29.56	33-66	60	2.2	1.1	0.83	10
Durham.....	37.62	33-66	50	2.5	1.25	0.83	10
Dutton.....	36.03	33-66	60	2.3	1.1	0.83	10
†East Windsor.....C	31.31	.....	60	3.6	1.2	0.83	10
East York.....	31.93	33-66	60	2.2	1.2	0.83	10
Elmira.....T	32.58	33-66	60	3.2	1.3	0.83	10
Elmvale.....	37.40	33-66	55	3	1.25	0.83	10

NOTE.—Domestic service charge—33 cents per month per service when the permanently installed appliance load is under 2,000 watts and 66 cents per month when over 2,000 watts.

†A unit of the Windsor Utilities Commission.

“E”—Continued

Domestic Service—Commercial Light Service—Power Service
Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours monthly use of demand	Service charge per h.p. per month	First 50 hr. per month per kw-hr.	Second 50 hr. per month per kw-hr.	All additional per kw-hr.	Minimum or maximum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
5	2.3	0.75	0.83	10	25.00	1.00	2	1.3	0.33	.....	.....	10
5	6	1	2.22	10	50.00	1.00	5.7	3.8	0.33	.....	.....	10
5	3	1	1.11	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10
5	3	1	1.39	10	40.00	1.00	4.3	2.8	0.33	min. 3.33	.....	10
5	3	1	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5	5	1	1.66	10	45.00	1.00	4.9	3.3	0.33	.....	.....	10
5	2.5	0.8	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5	4	1	1.67	10	38.00	1.00	4	2.6	0.33	.....	.....	10
5	2.8	1	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	.....	10
5	3	1	0.83	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10
5	2.5	0.75	1.11	10	27.00	1.00	2.3	1.5	0.33	.....	.....	10
5	5	1	1.66	10	50.00	1.00	5.7	3.8	0.33	.....	.....	10
5	2.5	1	1.11	10	33.00	1.00	3.2	2.1	0.33	.....	.....	10
5	6	2	3.33	10	50.00	1.00	5.7	3.8	0.33	min. 2.78	.....	10
5	3.5	1	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5	5	1	0.83	10	39.00	1.00	4.1	2.7	0.33	.....	.....	10
5	2.5	1	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	.....	10
5	2.5	1	0.83	10	20.00	1.00	1.6	1	0.33	.....	10	10
5	4	1	1.38	10	36.00	1.00	3.7	2.4	0.33	.....	.....	10
5	5.5	1.5	1.67	10	40.00	1.00	4.3	2.8	0.33	.....	.....	10
5	4	1	1.66	10	43.00	1.00	4.7	3.1	0.33	min. 2.22	.....	10
7.5	6	1	2.22	10	55.00	1.00	6.5	4.3	0.33	.....	.....	10
5	4.5	1	1.66	10	38.00	1.00	4	2.6	0.33	.....	.....	10
5	4.8	1	1.11	10	48.00	1.00	5.4	3.6	0.33	.....	.....	10
5	3.5	1	1.11	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10
5	4.5	1	0.83	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10
5	2.5	1	0.83	10	34.00	1.00	3.4	2.2	0.33	.....	.....	10
5	3.5	0.75	1.11	10	40.00	1.00	4.3	2.8	0.33	.....	.....	10
5	2.5	0.75	1.11	10	33.00	1.00	3.2	2.1	0.33	.....	.....	10
5	3.5	1	1.11	10	40.00	1.00	4.3	2.8	0.33	.....	.....	10
5	6	1	1.67	10	45.00	1.00	4.9	3.33	0.33	.....	.....	10
5	3	1	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	.....	10
5	2	0.6	0.83	10	19.00	1.00	2	1.4	0.33	.....	25	10
5	2.2	0.75	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5	2.5	1	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5	2.3	0.75	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5	2.5	0.8	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5	2.2	0.6	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5	3.2	0.8	0.83	10	25.00	1.00	2	1.3	0.33	.....	.....	10
5	3	1	0.83	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10

†According to consumers' demand.

STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for
for the Year 1935, in Urban Municipalities**

Municipality C—City T—Town (pop. 2,000 or more)	Annual cost to the Commission on the works to serve electrical energy to munici- pality on a horse- power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
		cents		cents	cents	\$ c.	%
Elmwood.....	39.40	33-66	45	5	1.5	1.39	10
Elora.....	34.02	33-66	55	3	1.5	1.11	10
Embro.....	43.08	33-66	55	3.2	1.5	1.67	10
Erieau.....	48.52	33-66	45	5	1.5	1.67	10
Erie Beach.....	59.84	33-66	50	7	2	1.94	10
Essex.....	34.35	33-66	60	2.5	1.2	0.83	10
Etobicoke twp.....	28.01	33-66	60	2.3	1.3	0.83	10
Exeter.....	36.66	33-66	55	3	1.5	0.83	10
Fergus.....	32.69	33-66	55	3	1.5	1.11	10
Finch.....	50.80	33-66	40	3.5	1.5	1.66	10
Flesherton.....	42.29	33-66	55	3.25	1.5	1.11	10
Fonthill.....	33.72	33-66	55	3	1.5	1.33	10
Forest.....	43.51	33-66	55	3.3	1.3	1.11	10
Fort William.....C	22.56	33-66	50	2.5	1	0.83	10
Galt.....C	27.70	.....	{50} {60}	3.4	1.1	0.83	10
Gamebridge.....	.....	33-66	45	5	1.5	1.67	10
Georgetown.....T	33.64	33-66	60	2.2	1.1	0.83	10
Glencoe.....	52.20	33-66	55	3.5	2	1.11	10
Glen Williams.....	.....	33-66	60	3	1.5	0.83	10
Goderich.....T	41.41	33-66	55	3	1.5	0.83	10
Grand Valley.....	49.45	33-66	45	4.7	1.5	1.39	10
Granton.....	51.97	33-66	55	3	1.5	1.11	10
Gravenhurst.....	22.77	33-66	60	2	1	0.83	10
Guelph.....C	27.39	33-33	60	2	1	0.83	10
Hagersville.....	32.63	33-66	60	2	1	0.83	10
Hamilton.....C	24.94	.....	60	3.1	1	0.83	10
Hanover.....T	29.65	33-66	55	2.5	1.5	0.83	10
Harriston.....	40.14	33-66	55	3.5	1.5	1.11	10
Harrow.....	36.59	33-66	55	2.8	1.3	0.83	10
Hastings.....	43.72	33-66	45	4.5	1.5	1.66	10
Havelock.....	49.13	33-66	50	5	1.5	0.83	10
Hensall.....	44.78	33-66	55	3.5	1.5	1.11	10
Hespeler.....T	28.03	.....	60	3.6	1.5	0.83	10
Highgate.....	44.57	33-66	50	4	1.5	1.11	10
Holstein.....	92.39	33-66	40	6	2	1.67	10
Humberstone.....	28.19	33-66	60	2.5	1.25	0.83	10
Huntsville.....T	26.31	33-66	55	2.5	1	0.83	10
Ingersoll.....T	29.37	33-66	60	2	1.2	0.83	10
Jarvis.....	40.49	33-66	50	4	2	1.11	10
Kemptville.....	36.47	33-66	55	3	1.5	0.83	10

NOTE.—Domestic service charge—33 cents per month per service when the permanently installed appliance load is under 2,000 watts and 66 cents per month when over 2,000 watts.

“E”—Continued

Domestic Service—Commercial Light Service—Power Service
Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours monthly use of demand	Service charge per h.p. per month	First 50 hr. per month per kw-hr.	Second 50 hr. per month per kw-hr.	All additional per kw-hr.	Minimum or maximum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
5	5	1	1.39	10	45.00	1.00	4.9	3.3	0.33	.....	.....	10
5	3	0.75	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	.....	10
5	3.2	1	1.67	10	40.00	1.00	4.3	2.8	0.33	.....	.....	10
5	5	1	1.67	10	50.00	1.00	5.7	3.8	0.33	min.2.22	.....	10
5	7	1	1.94	10	60.00	1.00	7.2	4.8	0.33	.....	.....	10
5	2.5	0.75	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	.....	10
5	2.3	0.7	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5	3	0.75	0.83	10	29.00	1.00	2.6	1.7	0.33	.....	.....	10
5	3	0.75	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	.....	10
5	3.5	1	1.94	10	50.00	1.00	5.7	3.8	0.33	.....	.....	10
5	3.25	1	1.11	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10
5	3	0.75	1.38	10	32.00	1.00	3.1	2	0.33	.....	.....	10
5	3.3	0.75	1.11	10	40.00	1.00	4.3	2.8	0.33	.....	.....	10
5	2.5	1	0.83	10	22.00	1.00	1.75	1	0.1	.....	.....	10
5	2.5	0.6	0.83	10	20.00	1.00	1.6	1	0.33	.....	10	10
5	5	1	1.67	10	45.00	1.00	4.9	3.3	0.33	.....	.....	10
5	2.2	0.6	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5	3.5	1	1.11	10	48.00	1.00	5.4	3.6	0.33	.....	.....	10
5	3	0.75	0.83	10	36.00	1.00	3.7	2.4	0.33	.....	.....	10
5	3	0.75	0.83	10	33.00	1.00	3.2	2.1	0.33	.....	.....	10
5	4.7	1	1.39	10	43.00	1.00	4.7	3.1	0.33	.....	.....	10
5	3	1	1.11	10	33.00	1.00	3.2	2.1	0.33	.....	.....	10
5	2	1	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5	2	0.5	0.83	10	15.00	1.00	1.3	0.8	0.33	.....	25	10
5	2	0.75	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
.....	†3.5	0.35	0.83	10	20.00	1.00	1.67	1.11	0.133	.....	10	10
5	††1.75											
5	2.5	1	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5	3.5	1	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	.....	10
5	2.8	1	0.83	10	33.00	1.00	3.2	2.1	0.33	.....	.....	10
5	4.5	1	1.66	10	45.00	1.00	4.9	3.3	0.33	.....	.....	10
5	5	1	0.83	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10
5	3.5	1	1.11	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10
5	2.7	0.75	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5	4	1	1.11	10	38.00	1.00	4	2.6	0.33	.....	.....	10
5	6	2	1.67	10	74.00	1.00	9.3	6.2	0.33	.....	.....	10
5	2.5	0.75	0.83	10	29.00	1.00	2.6	1.7	0.33	.....	.....	10
5	2.5	1	0.83	10	25.00	1.00	2	1.3	0.33	.....	.....	10
5	2	0.6	0.83	10	20.00	1.00	1.6	1	0.33	.....	10	10
5	4	0.75	1.11	10	32.00	1.00	3.1	2	0.33	.....	.....	10
5	3	1	0.83	10	34.00	1.00	3.4	2.2	0.33	.....	.....	10

†First 30 hours' use per kw-hr.

††Next 70 hours' use per kw-hr.

STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for
for the Year 1935, in Urban Municipalities**

Municipality C—City T—Town (pop. 2,000 or more)	Annual cost to the Commission on the works to serve electrical energy to munici- pality on a horse- power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
	\$ c.	cents		cents	cents	\$ c.	%
Kincardine.....T	42.38	33-66	40	4	2	1.11	10
Kingston.....C	24.00-36.00	33-66	50	2	1	0.83	10
Kingsville.....T	37.05	.....	60	3.6	1.2	0.83	10
Kirkfield.....	52.16	33-66	40	6	2	2.22	10
Kitchener.....C	27.24	.....	60	2.8	1.1	0.83	10
Lakefield.....	42.31	33-66	50	3	2	0.83	10
Lambeth.....	40.76	33-66	50	3.5	1.5	1.11	10
Lanark.....	39.70	33-66	50	4	2	0.83	10
Lancaster.....	66.42	33-66	60	6	2	1.94	10
La Salle.....	35.45	.....	60	4	1.5	1.11	10
Leamington.....T	36.69	.....	60	3.2	1.2	0.83	10
Leaside.....	.....	*3	....	**2	1.5	0.83	10
Lindsay.....T	35.12	33-66	40	3	1.5	0.83	10
Listowel.....T	34.78	33-66	60	2.5	1.25	1.11	10
London.....C	26.82	33-66	60	2	1	0.83	10
London twp.....	32.65	.....	60	3.5	1	1.11	10
Long Branch.....	28.52	33-66	60	2.3	1.3	0.83	10
Lucan.....	36.06	33-66	55	3.2	1.3	1.11	10
Lucknow.....	48.47	33-66	45	4.5	1.5	1.67	10
Lynden.....	33.04	33-66	55	3.5	1.5	1.38	10
Madoc.....	40.93	33-66	50	3.5	1.5	0.83	10
Markdale.....	34.83	33-66	55	2.8	1.4	1.11	10
Markham.....	34.70	33-66	55	3.3	1.3	1.11	10
Marmora.....	39.93	33-66	60	5	1.5	1.11	10
Martintown.....	43.74	33-66	40	5	2	1.66	10
Maxville.....	52.24	33-66	60	6	2	1.66	10
Meaford.....T	37.57	33-66	60	2.5	1.2	0.83	10
Merlin.....	41.49	33-66	50	4	1.5	1.11	10
Merritton.....T	23.77	33-66	60	2	1	0.83	10
Midland.....T	28.79	33-66	60	2	1	0.83	10
Mildmay.....	43.94	33-66	40	4	1.5	1.39	10
Milton.....	34.90	33-66	55	3	1.5	0.83	10
Milverton.....	34.54	33-66	60	3	1.5	1.11	10
Mimico.....T	26.55	33-66	60	2.4	1.2	0.83	10
Mitchell.....	34.08	33-33	60	2.5	1.5	0.83	10
Moorefield.....	61.42	33-66	50	4.5	2	1.39	10
Mount Brydges.....	39.39	33-66	55	2.8	1.3	1.11	10
Mount Forest.....	42.63	33-66	60	2.25	1.25	0.83	10
Napanee.....T	32.93	.....	50	4.5	1.8	0.83	10
Neustadt.....	62.47	33-66	60	6	2	1.67	10

NOTE.—Domestic service charge—33 cents per month per service when the permanently installed appliance load is under 2,000 watts and 66 cents per month when over 2,000 watts.

*Service charge per 100 sq. ft.

**Per kw-hr. for first 3 kw-hrs. per 100 sq. ft.

"E"—Continued

Domestic Service—Commercial Light Service—Power Service
Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours monthly use of demand	Service charge per h.p. per month	First 50 hr. per month per kw-hr.	Second 50 hr. per month per kw-hr.	All additional per kw-hr.	Minimum or maximum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
5	4	1	1.11	10	30.00	1.00	2.8	1.8	0.33			10
5	2	0.75	0.83	10	20.00	1.00	1.5	1	0.33	10		10
5	2.6	0.75	0.83	10	34.00	1.00	3.4	2.2	0.33			10
5	6	1	2.22	10	40.00	1.00	4.3	2.8	0.33			10
5	2	0.75	0.83	10	19.00	1.00	2	1.4	0.33	25		10
5	3	1	0.83	10	24.00	1.00	2.3	1.5	0.33	10		10
5	3.5	1	1.11	10	36.00	1.00	3.7	2.4	0.33			10
5	4	1	0.83	10	60.00	1.00	7.2	4.8	0.33			10
5	6	1	2.78	10	69.00	1.00	8.6	5.7	0.33			10
5	3.5	1	1.11	10	33.00	1.00	3.2	2.1	0.33			10
5	2.5	0.75	0.83	10	28.00	1.00	2.5	1.6	0.33			10
5	\$4 & 2	1	0.83	10	23.28	1.00	1.8	1.1	0.33			10
5	3	1	0.83	10	20.00	1.00	1.6	1	0.33	10		10
5	2.5	0.75	1.11	10	26.00	1.00	2.2	1.4	0.33			10
5	2	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	25		10
5	2.8	0.75	1.11	10	30.00	1.00	2.8	1.8	0.33			10
5	2.3	0.7	0.83	10	21.00	1.00	1.8	1.1	0.33	10		10
5	3.2	0.75	1.11	10	30.00	1.00	2.8	1.8	0.33			10
5	4.5	1	1.67	10	38.00	1.00	4	2.6	0.33			10
5	3.5	1.5	0.83	10	32.00	1.00	3.1	2	0.33			10
5	4	1	0.83	10	35.00	1.00	3.5	2.3	0.33			10
5	2.8	1	1.11	10	28.00	1.00	2.5	1.6	0.33			10
5	3.3	1	1.11	10	35.00	1.00	3.5	2.3	0.33			10
5	5	1	1.11	10	40.00	1.00	4.3	2.8	0.33			10
5	5	1	2.22	10	55.00	1.00	6.5	4.3	0.33			10
5	6	1	2.22	10	55.00	1.00	6.5	4.3	0.33			10
5	2.5	0.8	0.83	10	27.00	1.00	2.3	1.5	0.33			10
5	4	1	1.11	10	37.00	1.00	3.8	2.5	0.33	min. 2.22		10
5	2	0.75	0.83	10	18.00	1.00	1.9	1.2	0.33	25		10
5	2	1	0.83	10	17.00	1.00	1.7	1.1	0.33	25		10
5	4	1	1.39	10	38.00	1.00	4	2.6	0.33			10
5	3	0.75	0.83	10	24.00	1.00	2.3	1.5	0.33	10		10
5	3	1	1.11	10	26.00	1.00	2.2	1.4	0.33			10
5	2.4	0.6	0.83	10	22.00	1.00	1.9	1.3	0.33	10		10
5	2.5	0.75	0.83	10	26.00	1.00	2.2	1.4	0.33			10
5	4.5	1	1.39	10	50.00	1.00	5.7	3.8	0.33			10
5	2.8	0.75	1.11	10	35.00	1.00	3.7	2.4	0.33			10
5	2.25	1	0.83	10	30.00	1.00	2.8	1.8	0.33			10
5	3.5	1	0.83	10	25.00	1.00	2	1.3	0.33			10
5	6	1	1.67	10	40.00	1.00	4.3	2.8	0.33			10

§First 70 hours' use 4 cents per kw-hr.
Next 70 hours' use 2 cents per kw-hr.

STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for
for the Year 1935, in Urban Municipalities**

Municipality	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
C—City T—Town (pop. 2,000 or more)							
	\$ c.	cents		cents	cents	\$ c.	%
Newbury.....	49.46	33-66	45	5	1.5	1.38	10
New Hamburg.....	34.87	33-66	60	3	1.5	0.83	10
New Toronto.....T	28.26	33-66	60	2	1.1	0.83	10
Niagara Falls.....C	22.00	.....	60	3	1	0.83	10
Niagara-on-the-Lake	25.97	33-66	60	2.5	1.25	0.83 to 1.11	10
Nipigon twp.....	26.65	33-66	55	3.5	1.25	1.39	10
North York twp.....	32.12	33-66	55	3.5	1.5	1.11	10
Norwich.....	34.09	33-66	60	2.5	1.25	0.83	10
Norwood.....	38.57	33-66	50	4.5	1.5	1.11	10
Oil Springs.....	41.08	33-66	50	3.5	1.5	1.11	10
Omeme.....	.....	33-66	60	4	1.5	1.11	10
Orangeville.....T	41.73	33-66	55	2.8	1.4	1.11	10
Oshawa.....C	32.16	.....	45	5	1.5	0.83	10
Ottawa.....C	13.94	33-66	60 60	2 1	0.5	0.83	10
Otterville.....	40.98	33-66	55	3	1.5	1.11	10
Owen Sound.....C	29.90	.....	60	2.9	1	0.83	10
Paisley.....	50.21	33-66	45	5	1.5	1.39	10
Palmerston.....	37.23	33-66	60	2.7	1.5	1.11	10
Paris.....T	28.50	33-66	60	2	1	0.83	10
Parkhill.....	54.80	33-66	50	4.5	2	1.38	10
Penetanguishene.....T	33.95	33-66	55	3	1.5	0.83	10
Perth.....	28.90	33-66	55	2.5	1	0.83	10
Peterborough.....C	27.84	33-66	50	2.5	1.25	0.83	10
Petrolia.....T	37.30	33-66	60	2.4	1.1	0.83	10
Pictou.....T	41.46	.....	60	3.7	1.25	0.83	10
Plattsville.....	46.36	33-66	45	5	2	1.66	10
Point Edward.....	35.27	.....	60	3.7	1.3	0.83	10
Port Arthur.....C	21.90	33-66	30	2	1	0.83	10 & 10
Port Colborne.....T	27.99	33-66	60	2.8	1.25	0.83	10
Port Credit.....	33.06	33-66	60	2.2	1.2	0.83	10
Port Dalhousie.....	29.49	33-66	60	2.2	1.2	0.83	10
Port Dover.....	35.40	33-66	50	2.6	1.2	0.83	10
Port Elgin.....	41.74	33-66	40	2.5	1.2	1.11	10
Port Hope.....T	34.01	33-66	60	3.5	1.5	0.83	10
Port McNicoll.....	33.32	33-66	50	3.5	1.5	0.83	10
Port Perry.....	43.29	33-66	50	3.5	1.25	1.11	10
Port Rowan.....	49.50	33-66	60	6	2	1.66	10
Port Stanley.....	35.37	33-66	55	2.9	1.4	0.83	10
Prescott.....T	27.24	33-66	60	2	1	0.83	10
Preston.....T	27.59	.....	60	3.4	1	0.83	10

NOTE.—Domestic service charge—33 cents per month per service when the permanently installed appliance load is under 2,000 watts and 66 cents per month when over 2,000 watts.

“E”—Continued

Domestic Service—Commercial Light Service—Power Service
Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours monthly use of demand	Service charge per h.p. per month	First 50 hr. per month per kw-hr.	Second 50 hr. per month per kw-hr.	All additional per kw-hr.	Minimum or maximum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
5	5	1	1.38	10	53.00	1.00	6.2	4.1	0.33	.....	.....	10
5	3	1	0.83	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10
5	2	0.6	0.83	10	20.00	1.00	1.6	1	0.33	.....	10	10
5	2	0.35	0.83	10	15.00	1.00	1.3	0.8	0.33	.....	25	10
5	2.5	0.75	0.83	10	28.00	1.00	2.5	1.6	0.33	min.2.00	.....	10
5	3.5	1	1.39	10	40.00	1.00	4.3	2.8	0.33	.....	.....	10
5	3.5	0.75	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10
5	2.5	0.75	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	.....	10
5	4.5	1	1.11	10	38.00	1.00	4	2.6	0.33	.....	.....	10
5	3.5	1	1.11	10	34.00	1.00	3.4	2.2	0.33	.....	.....	10
5	4	1	1.11	10	37.00	1.00	3.8	2.5	0.33	.....	.....	10
5	2.8	1	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	.....	10
5	3.5	1	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
.....	†5	0.5	0.83	10	20.00	1.00	1.8	1.2	0.15	.....	15	10
5	†2.2	1	1.11	10	36.00	1.00	3.7	2.4	0.33	.....	.....	10
5	3	1	1.11	10	36.00	1.00	3.7	2.4	0.33	.....	.....	10
5	2.2	1	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5	5	1	1.39	10	50.00	1.00	5.7	3.8	0.33	.....	.....	10
5	2.7	1	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	.....	10
5	2	0.75	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5	4.5	1	1.38	10	48.00	1.00	5.4	3.6	0.33	.....	.....	10
5	3	1	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5	2.5	1	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5	2.5	1.25	0.83	10	20.00	1.00	1.6	1	0.33	.....	10	10
5	2.4	0.75	0.83	10	29.00	1.00	2.6	1.7	0.33	.....	.....	10
5	2.5	1	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5	5	1	1.66	10	48.00	1.00	5.4	3.6	0.33	min.2.00	.....	10
5	2.8	0.75	0.83	10	26.00	1.00	2.2	1.4	0.33	.....	.....	10
5	2	0.5	0.83	10 & 10	22.00	1.00	1.75	1	0.1	.....	.....	10
5	2.8	0.75	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	.....	10
5	2.2	0.75	0.83	10	25.00	1.00	2	1.3	0.33	.....	.....	10
5	2.2	0.75	0.83	10	20.00	1.00	1.6	1	0.33	.....	10	10
5	2.6	1	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	.....	10
5	2.5	0.8	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	.....	10
5	3.5	1	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5	3.5	1	0.83	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10
5	3.5	1	1.11	10	32.00	1.00	3.1	2	0.33	.....	.....	10
5	6	2	1.66	10	60.00	1.00	7.2	4.8	0.33	.....	.....	10
5	2.9	0.75	0.83	10	37.00	1.00	3.8	2.5	0.33	min.1.11	.....	10
5	2	1	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5	2.5	0.75	0.83	10	19.00	1.00	2	1.4	0.33	.....	25	10

†First 30 hours' use per kw-hr.

††Next 70 hours' use per kw-hr.

STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for
for the year 1935, in Urban Municipalities**

Municipality C—City T—Town (pop. 2,000 or more)	Annual cost to the Commission on the works to serve electrical energy to municip- ality on a horse- power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
	\$ c.	cents		cents	cents	\$ c.	%
Priceville.....	53.36	33-66	60	6	2	1.67	10
Princeton.....	41.14	33-66	50	3.5	1.5	1.66	10
Queenston.....	27.51	33-66	65	3	1.5	1.38	10
Richmond.....	56.19	33-66	35	6	2	1.95	10
Richmond Hill.....	33.48	33-66	60	2	1	0.83	10
Ridgetown.....	36.63	33-66	60	2.2	1.25	0.83	10
Ripley.....	65.54	33-66	55	6	1.5	1.67	10
Riverside.....T	32.81	.....	55	4.2	1.5	0.83	10
Rockwood.....	36.93	33-66	60	2.7	1.25	1.11	10
Rodney.....	48.52	33-66	55	3	1.5	0.83	10
Rosseau.....	83.89	*33	....	8	2	*2.22	10
Russell.....	50.62	33-66	50	6	2	1.39	10
St. Catharines.....C	23.64	33-66	30-60	2	1	0.83	10
St. Clair Beach.....	36.35	.....	55	5.2	1.75	1.66	10
St. George.....	35.81	33-66	55	3	1.25	1.11	10
St. Jacobs.....	32.99	33-66	60	3	1.5	1.11	10
St. Marys.....T	34.25	.....	60	4.1	1.5	1.11	10
St. Thomas.....C	28.22	.....	60	2.6	1	0.83	10
†Sandwich.....T	31.62	.....	60	3.6	1.2	0.83	10
Sarnia.....C	31.94	.....	60	3.5	1.1	0.83	10
Scarboro twp.....	30.69	33-33	60	2.6	1.3	0.83	10
Seaforth.....	34.05	33-66	60	2.5	1.25	0.83	10
Shelburne.....	38.22	33-66	50	3	1.5	1.11	10
Simcoe.....T	29.67	33-66	60	2	1.25	0.83	10
Smiths Falls.....T	26.63	.....	55	3.7	1.5	0.83	10
Southampton.....	41.68	33-66	40	3	1.5	1.11	10
Springfield.....	45.62	33-66	55	3.5	1.5	1.11	10
Stamford twp.....	24.33	33-66	60	2.25	1.25	0.83	10
Stayner.....	36.89	33-66	55	2.5	1.25	0.83	10
Stirling.....	27.57	33-66	45	2.5	1.25	0.83	10
Stouffville.....	42.37	33-66	55	3.2	1.3	1.11	10
Stratford.....C	29.25	.....	60	3.4	1.25	0.83	10
Strathroy.....T	31.09	.....	60	3.2	1.25	0.83	10
Streetsville.....	38.17	33-66	50	4	1	0.83	10
Sunderland.....	51.15	33-66	45	5	1.25	1.39	10
Sutton.....	47.35	33-33	50	4	2	1.11	10
Tara.....	38.42	33-66	40	4	2	1.11	10
Tavistock.....	33.57	33-66	60	2.5	1.25	0.83	10
Tecumseh.....T	34.71	.....	55	4.7	1.75	1.11	10
Teeswater.....	48.40	33-66	60	5	1.5	1.39	10
Thamesford.....	37.34	33-66	60	2.4	1.2	1.11	10
Thamesville.....	36.50	.....	60	3	1.2	0.83	10
Thedford.....	61.66	33-66	50	5	2	1.66	10
Thorndale.....	58.14	33-66	50	4	2	1.38	10
Thornton.....	53.68	33-66	60	6	2	1.67	10

NOTE.—Domestic service charge—33 cents per month per service when the permanently installed appliance load is under 2,000 watts and 66 cents per month when over 2,000 watts.

*According to consumers' demand.

“E”—Continued

Domestic Service—Commercial Light Service—Power Service
Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours monthly use of demand	Service charge per h.p. per month	First 50 hr. per month per kw-hr.	Second 50 hr. per month per kw-hr.	All additional per kw-hr.	Minimum or maximum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
5	6	1	1.67	10	40.00	1.00	4.3	2.8	0.33	.....	.....	10
5	3.5	1	1.66	10	40.00	1.00	4.3	2.8	0.33	.....	.....	10
5	3	1	1.38	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10
5	6	1	2.22	10	60.00	1.00	7.2	4.8	0.33	.....	.....	10
5	2	0.6	0.83	10	25.00	1.00	2	1.3	0.33	.....	.....	10
5	2.2	0.75	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5	6	1	1.67	10	50.00	1.00	5.7	3.8	0.33	.....	.....	10
5	3	0.8	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	.....	10
5	2.7	0.75	1.11	10	42.00	1.00	4.6	3	0.33	.....	.....	10
5	3	0.75	0.83	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10
5	8	2	2.22	10	58.00	1.00	6.9	4.6	0.33	.....	.....	10
5	5	1	1.94	10	56.00	1.00	6.6	4.4	0.33	.....	.....	10
.....	†3.5											
5	†1.75	0.35	0.83	10	17.00	1.00	1.67	1.13	0.16	.....	25	10
5	5	1	1.66	10	40.00	1.00	4.3	2.8	0.33	.....	.....	10
5	3	0.75	1.11	10	32.00	1.00	3.1	2	0.33	.....	.....	10
5	3	1	1.11	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5	3	1	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	.....	10
5	2	0.5	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5	2.5	0.8	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5	2.4	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5	2.4	0.6	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5	2.5	0.75	0.83	10	29.00	1.00	2.6	1.7	0.33	.....	.....	10
5	3	1	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10
5	2	0.75	0.83	10	25.00	1.00	2	1.3	0.33	.....	.....	10
5	2.7	1	0.83	10	26.00	1.00	2.2	1.4	0.33	.....	.....	10
5	3	1	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10
5	3.5	1	1.11	10	42.00	1.00	4.6	3	0.33	.....	.....	10
5	2.25	0.6	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5	2.5	1	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	.....	10
5	2.5	1	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	.....	10
5	3.2	1	1.11	10	43.00	1.00	4.7	3.1	0.33	.....	.....	10
5	2.3	0.75	0.83	10	25.00	1.00	2	1.3	0.33	.....	.....	10
5	2.5	0.75	0.83	10	27.00	1.00	2.3	1.5	0.33	.....	.....	10
Same as domestic				10	35.00	1.00	3.5	2.3	0.33	.....	.....	10
5	5	1	1.39	10	40.00	1.00	4.3	2.8	0.33	.....	.....	10
5	4	1	1.11	10	50.00	1.00	5.7	3.8	0.33	.....	.....	10
5	4	1	1.11	10	45.00	1.00	4.9	3.3	0.33	.....	.....	10
5	2.5	0.75	0.83	10	25.00	1.00	2	1.3	0.33	.....	.....	10
5	3.5	0.8	1.11	10	32.00	1.00	3.1	2	0.33	.....	.....	10
5	5	1	1.39	10	40.00	1.00	4.3	2.8	0.33	.....	.....	10
5	2.4	0.75	1.11	10	29.00	1.00	2.6	1.7	0.33	.....	.....	10
5	2.4	0.75	0.83	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10
7.5	5	1	1.66	10	55.00	1.00	6.5	4.3	0.33	.....	.....	10
5	4	1	1.38	10	48.00	1.00	5.4	3.6	0.33	.....	.....	10
5	6	1	1.67	10	50.00	1.00	5.7	3.8	0.33	.....	.....	10

†First 30 hours' use per kw-hr.

††Next 70 hours' use per kw-hr.

STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for
for the year 1935, in Urban Municipalities**

Municipality	Annual cost to the Commission on the works to serve electrical energy to municip- ality on a horse- power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
C—City T—Town (pop. 2,000 or more)							
	\$ c.	cents		cents	cents	\$ c.	%
Thorold.....T	25.11	33-66	60	2	1	0.83	10
Tilbury.....	35.55	33-66	60	2.2	1.2	0.83	10
Tillsonburg.....T	32.03	33-66	60	2	1.2	0.83	10
Toronto.....C	26.43	*3	....	**2	1	0.83	10
Toronto twp.....	31.25	33-66	55	2.7	1.3	1.11	10
Tottenham.....	87.77	33-66	30	7	2	1.67	10
Trafalgar tp., Area 1	.....	55	60	3.5	2	1.11	10
Trafalgar tp., Area 2	.....	44-66	55	3.5	2	1.38	10
Trenton.....T	25.35	.....	50	3.5	1.2	0.83	10
Tweed.....	52.42	33-33	50	5.5	1.5	1.11	10
Uxbridge.....	44.53	33-66	50	3.5	1.5	1.11	10
Victoria Harbour.....	37.06	33-66	55	3	1.5	1.11	10
Walkerton.....T	31.41	33-66	50	3	1.2	1.11	10
†Walkerville.....T	28.95	.....	60	3.6	1.2	0.83	10
Wallaceburg.....T	34.62	33-66	60	2.5	1.2	0.83	10
Wardsville.....	57.81	33-66	40	6	2	1.66	10
Warkworth.....	42.15	33-66	50	5	1.5	1.39	10
Waterdown.....	32.14	33-66	60	2.5	1.25	0.83	10
Waterford.....	30.61	33-66	60	2	1	0.83	10
Waterloo.....T	28.23	33-66	60	2	1.25	0.83	10
Watford.....	45.65	.....	55	4.5	1.5	1.11	10
Waubaushene.....	36.83	33-66	55	2.5	1	1.11	10
Welland.....C	24.72	.....	60	3.1	1.2	0.83	10
Wellesley.....	45.78	33-66	50	4	2	1.11	10
Wellington.....	39.07	33-66	50	2.5	1.25	0.83	10
West Lorne.....	40.89	33-66	55	2.8	1.3	0.83	10
Weston.....T	27.03	.....	60	3	1	0.83	10
Westport.....	66.59	33-66	35	6	2	2.50	10
Wheatley.....T	49.96	33-66	50	4	1.5	1.39	10
Whitby.....T	32.03	.....	60	3.2	1.1	0.83	10
Wiarton.....	56.69	33-66	40	5	2	1.67	10
Williamsburg.....	29.44	33-66	60	2.5	1.3	1.11	10
Winchester.....	33.19	33-66	60	2.5	1.25	0.83	10
Windermere.....	56.53	*33	.....	8	2	12.22	10
†Windsor.....C	28.82	.....	60	3.6	1.2	0.83	10
Wingham.....	48.65	.....	50	4	1.5	1.11	10
Woodbridge.....	31.80	33-66	55	3	1.5	0.83	10
Woodstock.....C	28.28	.....	60	2.8	1	0.83	10
Woodville.....	50.03	33-66	50	4	1.25	1.11	10
Wyoming.....	48.78	33-66	50	4.5	1.5	1.38	10
Yorktp.(inc.Swansea and Forest Hill)....	.....	33-66	60	2	1.3	0.83	10
Zurich.....	56.70	33-66	50	4.5	2	1.38	10

NOTE.—Domestic service charge—33 cents per month per service when the permanently installed appliance load is under 2,000 watts and 66 cents per month when over 2,000 watts.

†A unit of the Windsor Utilities Commission.

*Service charge per 100 sq. ft.

**Per kw-hr. for first 3 kw-hrs. per 100 sq. ft.

"E"—Concluded

Domestic Service—Commercial Light Service—Power Service
Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours monthly use of demand	Service charge per h.p. per month	First 50 hr. per month per kw-hr.	Second 50 hr. per month per kw-hr.	All additional per kw-hr.	Minimum or maximum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
5	2	0.5	0.83	10	19.00	1.00	2	1.4	0.33	.....	25	10
5	2.2	0.75	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5	2	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
.....	\$4 & 2	1	0.83	10	.....	a D.C.	2.5	1.25	0.60	.....	.....	10
5	2.7	0.7	1.11	10	23.00	1.00	1.5	0.75	0.33	.....	10	10
5	.....	.....	.....	.....	.....	b A.C.	2.1	1.4	0.33	.....	10	10
5	7	1	1.67	10	45.00	1.00	4.9	3.3	0.33	.....	.....	10
.....	†8	1	1.11	10	37.00	1.00	3.5	2.3	1	.....	.....	10
5	†4	3.5	1.5	1.38	10	38.00	1.00	3.5	2.3	1.5	.....	10
5	3	1	0.83	10	25.00	1.00	2	1.3	0.33	.....	.....	10
5	5.5	1	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10
5	3.5	1	1.11	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10
5	3	1	1.11	10	40.00	1.00	4.3	2.8	0.33	.....	.....	10
5	3	1	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	.....	10
5	2.5	0.8	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5	2.5	0.7	0.83	10	25.00	1.00	2	1.3	0.33	.....	.....	10
5	6	1	1.66	10	55.00	1.00	6.5	4.3	0.33	.....	.....	10
5	5	1	1.39	10	44.50	1.00	4.9	3.3	0.33	.....	.....	10
5	2.5	0.75	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	.....	10
5	2	0.75	0.83	10	20.00	1.00	1.6	1	0.33	.....	10	10
5	2.25	1	0.83	10	19.00	1.00	2	1.4	0.33	.....	25	10
5	4	1	1.11	10	42.00	1.00	4.6	3	0.33	.....	.....	10
5	2.5	1	1.11	10	33.00	1.00	3.2	2.1	0.33	.....	.....	10
5	2.2	0.6	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5	4	1	1.11	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10
5	2.5	1	0.83	10	36.00	1.00	3.7	2.4	0.33	.....	.....	10
5	2.8	1	0.83	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10
5	2	0.6	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5	6	1	2.50	10	50.00	1.00	5.7	3.8	0.33	.....	.....	10
5	4	1	1.39	10	40.00	1.00	4.3	2.8	0.33	.....	.....	10
5	2.6	0.9	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	.....	10
5	5	1	1.67	10	43.00	1.00	4.7	3.1	0.33	.....	.....	10
5	2.5	1	1.11	10	55.00	1.00	6.5	4.3	0.33	.....	.....	10
5	2.5	1	0.83	10	36.00	1.00	3.7	2.4	0.33	min. 2.22	.....	10
5	8	2	2.22	10	58.00	1.00	6.9	4.6	0.33	.....	.....	10
5	2.5	0.8	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5	3.5	0.8	1.11	10	38.00	1.00	4	2.6	0.33	.....	.....	10
5	3	1	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5	2	0.5	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5	4	1	1.11	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10
5	4.5	1	1.38	10	50.00	1.00	5.7	3.8	0.33	.....	.....	10
5	2	0.75	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5	4.5	1	1.38	10	50.00	1.00	5.7	3.8	0.33	min. 2.77	.....	10

†First 30 hours' use per kw-hr.

††Next 70 hours' use per kw-hr.

§First 70 hours' use 4 cents per kw-hr.

Next 70 hours' use 2 cents per kw-hr.

a. D.C. Service charge \$1.35 per h.p. for first 10 h.p., plus \$1.00 per h.p. for additional h.p.

for first 10 h.p., plus \$1.00 per h.p. for additional h.p.

APPENDIX I

ACTS

CHAPTER 53

An Act to declare the law with respect to
The Hydro-Electric Power Commission
of Ontario and with respect to certain
invalid contracts

Assented to April 18th, 1935.

WHEREAS The Hydro-Electric Power Commission of Ontario ^{Preamble.} was created a body corporate without capital to serve the interests of the people of Ontario and to supply such power or energy as the municipalities and the people of the said Province might require; and whereas it never was the intention of the Legislature of Ontario that the said Commission should have authority to impose financial and other obligations without consent upon the said municipal corporations, power users and taxpayers of the Province; and whereas in the year 1926 and subsequently The Hydro-Electric Power Commission of Ontario and certain corporations hereinafter more particularly referred to, did, without the consent of the said municipalities, or the ratepayers thereof, contrary to the rights of the said municipalities under existing contracts with the said Commission, and contrary to *The Power Commission Act*, and without regard to the provisions of *The British North America Act*, purport to obligate the said Commission by divers contracts to purchase over long periods of time large quantities of power generated without the Province of Ontario regardless of whether or not the said power was desired or could be used by the said municipalities; and whereas the said Commission has made payments of large sums of money under the said alleged contracts and has illegally charged the cost of the same against certain municipal corporations, and has thereby so increased the cost of power as to threaten industry within the Province and to cause unemployment; and whereas it is desirable to declare the law;

Now, therefore, His Majesty, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

Short title.

1. This Act may be cited as *The Power Commission Act, 1935*.

Certain
contracts
declared
illegal,
void and
unenforceable.

2. The said contracts, as hereinafter set forth, are hereby declared to be and always to have been illegal, void and unenforceable as against The Hydro-Electric Power Commission of Ontario, such contracts being as follows:

- (a) Between the said Commission and Gatineau Power Company, five contracts bearing date the 19th day of May, 1926, and one contract bearing date the 27th day of July, 1926, set out in Schedule "A," hereto;
- (b) Between the said Commission and Gatineau Power Company, two contracts bearing date the 28th day of December, 1927, set out in Schedule "B" hereto;
- (c) Between the said Commission and Beauharnois Light, Heat and Power Company, one contract bearing date the 29th day of November, 1929, set out in Schedule "C" hereto;
- (d) Between the said Commission and Chats Falls Power Company, also known as Ottawa Valley Power Company, one contract dated the 15th day of February, 1930, and one contract dated the 24th day of February, 1931, known respectively as the "Power Contract" and the "Operating Contract," set out in Schedule "D" hereto;
- (e) Between the said Commission and James McLaren Company, Limited, one contract dated the 20th day of December, 1930, and one contract dated the 14th day of January, 1931, set out in Schedule "E" hereto.

Action
not to be
brought
against
Commission.

3. No action or other proceeding shall be brought, maintained or proceeded with against the said Commission founded upon any contract by this Act declared to be void and unenforceable, or arising out of the performance or non-performance of any of the terms of the said contracts.

Contracts,—
authority
to enter
into.

4. The said Commission may from time to time pay for such power as it deems advisable, and may, with the approval of the Lieutenant-Governor in Council enter into contracts therefor, and may distribute the cost thereof and all proper charges incidental thereto as determined by it among such municipalities and in such proportions as it may deem equitable, and all distribution as to such costs and charges for power heretofore purchased are validated and confirmed.

Powers of
Commission.

5. The powers by this Act conferred on the said Commission shall be supplementary to the powers conferred on the said Commission by any other Statute.

Commence-
ment of Act.

6. This Act shall come into force on a day to be named by the Lieutenant-Governor by his Proclamation.

SCHEDULE "A"

BETWEEN THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

—AND THE—

GATINEAU POWER COMPANY

- | | |
|----------------------------------|-----------------------------------|
| 1. AGREEMENT, 19TH OF MAY, 1926. | 4. AGREEMENT, 19TH OF MAY, 1926. |
| 2. AGREEMENT, 19TH OF MAY, 1926. | 5. AGREEMENT, 19TH OF MAY, 1926. |
| 3. AGREEMENT, 19TH OF MAY, 1926. | 6. AGREEMENT, 27TH OF JULY, 1926. |

1

This Indenture dated the "19th day of May," A.D. 1926.

BY AND BETWEEN:

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO,
hereinafter called the Commission,

—and—

GATINEAU POWER COMPANY, a Quebec Corporation,
hereinafter called the Company:

Witnesseth That

Whereas the Commission, acting under *The Power Commission Act*, R.S.O. 1914, Chapter 39 and Amendments thereto, is authorized to enter into an agreement for a supply of electrical power or energy to the Commission;

And whereas the Company is duly incorporated under laws of the Province of Quebec, and is carrying on business or proposes so to do for the production and sale of electrical power or energy in the said Province of Quebec;

And whereas the Company is prepared to deliver electrical power or energy from its pending and future developments on the Gatineau River in the Province of Quebec to the Commission at the interprovincial boundary on the Ottawa River, at or near Chats Falls, and is willing to enter into an agreement with the Commission for such purposes;

Now therefore this Indenture witnesseth:

That for the consideration herein contained, the parties hereby covenant, promise and agree as follows:

1. The Company agrees:

(a) To keep available for delivery to the Commission and deliver when and as required by the Commission on the first day of October, 1928, and thereafter so long as this Agreement shall continue in force eighty thousand (80,000) horsepower of electrical power or energy, on the conditions herein contained. Eighty Thousand (80,000) horsepower shall be the contract demand until such contract demand is increased as provided in sub-clause (b) next following:

1. (b) To keep available for delivery to the Commission and deliver when and as required by the Commission on the first day of October, 1929, and thereafter so long as this Agreement shall continue in force, an additional amount of fifty thousand (50,000) horsepower of electrical power or energy, on the conditions herein contained, making a total contract demand of one hundred and thirty thousand (130,000) horsepower until such contract demand is increased as provided in sub-clause (c) next following.

1. (c) To keep available for delivery to the Commission and deliver when and as required by the Commission on the first day of October, 1930, and thereafter so long as this Agreement shall continue in force, an additional amount of thirty thousand (30,000) horsepower of electrical power or energy on the conditions herein contained, making a total contract demand of one hundred and sixty thousand (160,000) horsepower until such contract demand is increased as provided in sub-clause (d) next following.

1. (d) To keep available for delivery to the Commission and deliver when and as required by the Commission on the first day of October, 1931, and thereafter so long as this Agreement shall continue in force an additional amount, not less than seventy thousand (70,000) nor more than one hundred thousand (100,000) horsepower of electrical power or energy as the Company on or before March 1st, 1930, shall specify in a notice to the Commission, on the conditions herein contained and which additional amount as fixed by the said notice added to the contract demand previously established under sub-clause (c) next preceding shall constitute the maximum contract demand.

1. (e) To install at its said Gatineau River developments sufficient equipment so as to insure fulfilment at all times of the terms of this Agreement.

1. (f) Subject to Clause 2, and Clause 5, to deliver to the Commission whenever required by the Commission, electrical power or energy up to the maximum available overload and spare capacity specified in Clause 3 (d).

1. (g) To provide a storage reservoir or storage reservoirs on the Gatineau River of eighty-two billion (82,000,000,000) cubic feet capacity, this amount having been determined by the Quebec Streams Commission as the appropriate amount to provide a minimum regulated flow at Chelsea in excess of nine thousand (9,000) cubic feet per second under normal low water conditions and an absolute minimum flow of eight thousand (8,000) cubic feet per second in the driest year on record; to use its best efforts to have such storage administered to the best advantage to facilitate its performance of this Agreement; to deliver the full amount of electrical power or energy called for in Clauses 1 (a), 1 (b), 1 (c), and 1 (d), subject to Clause 2 (e), at all times when the flow at Chelsea is one thousand (1,000) cubic feet per second or more in excess of the said absolute minimum of eight thousand (8,000) cubic feet per second, or of such increased absolute minimum as may be created by the provision of additional storage; at all other times to reduce this amount only to the extent that a reduction in the said one thousand (1,000) cubic feet per second of excess flow reduces its output, and, should the stream flow at any time decrease to less than the said absolute minimum, to keep available and deliver to the Commission a ratable proportion of all electrical power or energy possible under such conditions basing the apportionment on the amount of electrical power or energy to which the Commission is entitled when the stream flow is down to the said absolute minimum, and reducing such amount by the same per cent. by which the stream flow falls below the said absolute minimum.

2. (a) The power delivered hereunder shall be alternating, three-phase, having a periodicity of approximately 25 cycles per second and a pressure between phase wires not exceeding the commercial maximum voltage of approximately two hundred and thirty thousand (230,000) volts subject to a reduction of not over fifteen per cent. (15%) from the said maximum voltage, from time to time, as the Commission may direct, and the equipment and apparatus installed by the Company in its plants shall be suitable for operation to obtain this condition; provided, however, that nothing herein shall be construed as obligating the Company to install apparatus having capacity in excess of its rated capacity at normal voltage. The Company shall maintain the Generator voltage within two per cent. (2%) of the generator voltage corresponding to the voltage directed by the Commission as aforesaid and shall install suitable equipment for such purpose, provided that if the Commission at any time take power, as provided for in Clause 1 (f), in excess of the contract demand, then the Company shall, during such excess taking, maintain the voltage and frequency as aforesaid as nearly as possible with the equipment then installed.

2. (b) Whenever the Commission shall require, from time to time, the Company shall increase or decrease the voltage and frequency of its plant or plants, within safe operating limits of the then existing equipment of such plant or plants to the extent required by the Commission in order to ensure operation satisfactory to the Commission in parallel with other sources of supply. It is understood and agreed that in operation of plants in parallel the control of power factor and power delivery in any generating plant is to a large extent within the control of the operators in that plant and the Company agrees so far as it can do so with its equipment installed to so operate its plants as to maintain a power factor at its points of measurement to the Commission and also the delivery of power within the limits directed by the Commission, from time to time, provided that by so doing it shall if and to the extent necessary be relieved from its obligations as to voltage and frequency regulation specified in Clause 2 (a).

2. (c) The Commission shall be entitled to the contract demand up to a maximum weekly load factor of seventy per cent. (70%) thereof, and no more, that is to say, that during each week after October 1st, 1928, so long as this Agreement shall remain in force the Commission shall be entitled, subject to the provisions of Clause 3 (e), to receive such electrical power or energy as it shall require, not in excess of eighty-eight (88) kilowatt hours for each horsepower of contract demand.

On Sundays and holidays the Commission, at the request of the Company shall take not less than three (3) kilowatt hours for each horsepower of contract demand. On Saturdays the Commission, at the request of the Company, shall take not less than seven (7) kilowatt hours for each horsepower of contract demand.

2. (d) The maximum amount of the electrical power or energy delivered by the Company at any time when the ratio of the kilowatts to the kilovolt amperes is less than eighty-five per cent. (85%) shall be eighty-five per cent. (85%) of the kilovolt amperes considered as true power or kilowatts.

2. (e) If in any of the seven year periods, below described, the Company shall, due to conditions of stream flow, fail to have available for the Commission during the months of September to February inclusive, the full number of kilowatt hours to which the Commission

is entitled under this Agreement during such months, and such failure shall extend to more than four per cent. (4%) of such kilowatt hours, then and in such case the contract demand shall thereafter, at the option of the Commission, be reduced to such a point that had the reduced contract demand been in effect during such seven year period the deficiency aforesaid would have equalled but not exceeded four per cent. (4%) of the full number of kilowatt hours to which the Commission would be entitled under the reduced contract demand during the months of September to February inclusive of a seven year period.

The first such seven year period shall begin October 1st, 1931, and the other seven year periods shall follow successively, provided, however, that if at the end of the sixth or any earlier year of any such seven year period the total permissible deficiency for the whole seven year period (an aggregate of twenty-eight (28) per cent. of the full number of kilowatt hours to which the Commission was entitled in any six months under the contract demand as it existed during such period) shall have been exceeded, then and in that case, the Commission may by notice in writing to the Company terminate such seven year period at any time thereafter within such seven year period, and a new seven year period shall begin forthwith and whenever such period is so ended the contract demand shall thereafter be reduced by a percentage determined by ascertaining the deficiency so occurring during the months of September to February, inclusive, of the years of such period then elapsed, expressing the same as a percentage of the full number of kilowatt hours to which the Commission was entitled in any six months under the contract demand as it existed during such period, reducing such percentage by twenty-eight, and dividing the balance by seven.

If the first such seven year period is so ended before its normal expiration the consequent reduction of contract demand shall be by a percentage determined by ascertaining the deficiency so occurring during the months of September to February, inclusive, of the years of such period then elapsed, expressing the same as a percentage of the full number of kilowatt hours to which the commission was entitled in any six months under the maximum contract demand, reducing such percentage by twenty-eight, and dividing the balance by five (or by six if such seven year period shall have been ended at the end of its sixth year).

But any reduction of the contract demand shall be eliminated and the original contract demand restored after, and to the extent, that the deficiency in stream flow causing the same is remedied by the provision of additional storage.

2. (f) In the application of the provisions of this Agreement the Company shall be entitled to the same credit for horsepower and kilowatt hours held available for the Commission but not taken by the Commission as if the same had been taken by the Commission, and except as provided in Clause 5 (b), no failure by the Commission to provide the necessary transmission and other facilities to receive such power, and no failure to use the same, shall relieve the Commission from any of its obligations to make the full amount of the payment herein specified to be made by it. For all purposes of this agreement the Company shall be considered to have held available for the Commission in each week all the horsepower and kilowatt hours to which the Commission was entitled in that week unless the Company fails to have available the power which the Commission asks for, being entitled to the same under the provisions hereof, and the Commission complains of such failure at the time, and unless within fourteen days after the end of that week the Commission shall have given to the Company written notice of the fact and approximate amount of the deficiency.

If at any time, however, the Commission anticipates a deficiency in stream flow within the ensuing six (6) months' period, it may give to the Company written notice stating and certifying as facts that the Commission anticipates during the ensuing six (6) months such a deficiency in stream flow as would prevent the Company making full deliveries to the Commission throughout that period, that because and only because of such anticipated deficiency and of its desire to regulate its supply during the same the Commission desires the Company to curtail its deliveries to the Commission during such period, specifying the weeks during which the Commission desires such curtailment made, certifying that the number of kilowatt hours which in each such week the Commission would require were it not for such anticipated deficiency are as specified in such notice, stating the number of kilowatt hours curtailment which the Commission desires in each such week and giving as the balance in each such week the number of kilowatt hours which the Company is to deliver to the Commission in each such week under such curtailment programme. Such notice shall be delivered to the Company at least one clear week before the first week in which it requires curtailment. The Company shall thereupon reduce as therein required its deliveries to the Commission, and shall not be considered to have held available for the Commission in any week specified in such notice the kilowatt hours of curtailment specified in the notice, and the Commission shall be entitled to a reduction in its payments for such week in the ratio which the kilowatt hours of curtailment bear to full contract deliveries, unless at the end of the period it shall appear that there was in fact water available either from storage or from precipitation or natural run off for the supply of all or part of the kilowatt hours of curtailment. To the extent to which there was in fact water available as aforesaid to generate such kilowatt hours of curtailment the Commission shall promptly make good with interest at six per cent. (6%) per annum the amount by which its payments shall have been reduced on account of such curtailment.

The Company by receipt of any such notice shall not be bound forthwith and from day to day or week to week to curtail its deliveries to its other customers, but shall so administer the utilization of stream flow and storage that over the period covered by the notice, if the anticipated deficiency in fact occurs, the Commission shall at all times during the period specified in such notice as well as at the end thereof receive so far as is possible within the limitations imposed by the curtailment instructions of the Commission and the provisions of Clause 2 (c) its full share of the available electrical power or energy on the basis set forth in Clause 1 (g).

The Commission may at any time vary the curtailment specified in such notice for any week by giving the Company written notice of such modification at least seven days before the beginning of such week.

2. (g) If the Commission shall inadvertently take in any week more kilowatt hours than it is entitled to take in such week, and the Company shall not in advance of such excess taking have filed with the Commission a protest against the same, then upon notification from the Company the Commission will adjust the matter by making a corresponding reduction in its takings in the next following week in which its requirements permit it to do so, and the Commission shall not be subject to any penalty for such excess taking, or for any delay in making good the same. A protest from the Company for the purpose of this clause must be based upon a prior excess taking by the Commission and may not cover a period beyond the six months next following such excess taking. After receipt of such protest and during the period covered thereby the Commission shall limit its weekly taking to the number of kilowatt hours which it is entitled to take hereunder, always provided that the Company, so far as practicable, regulates the rate of delivery of power and the kilowatt hours from time to time as the Commission may direct.

2. (h) Because of the fact that the high voltage circuits involved in this Agreement will be physically connected and operated in parallel with those from other power sources, and because of the magnitude and nature of the system involved, it is necessary that the Commission and the Company co-operate. The Commission and the Company will co-operate in respect of all matters of common interest including plant and equipment design, hydrology and storage, provided that the Commission and the Company shall each have the final decision and be responsible for its respective plant and properties. The Commission and the Company will also co-operate in respect of design of control, protective, communication and other such features, as necessitate similar or co-ordinated equipment at the plants of each party. The Commission and the Company shall also install only first-class modern equipment, of such characteristics and type as are best suited for the service intended, and from time to time make such commercially reasonable changes in, or additions to, such equipment (other than major equipment) as will best serve the system as a whole. The Commission and the Company shall exercise all due skill and diligence so as to secure the satisfactory operation as a system, of the plant, apparatus, and property of both the Commission and the Company, including, without limiting the generality of the foregoing, parallel operation, voltage, power factor and any problems which may arise in connection with the use of such high voltage specified and length of lines contemplated.

3. The Commission agrees:

(a) To pay to the Company in monthly payments for all power under this Agreement at the rate of fifteen dollars (\$15.00) per horsepower per annum on the contract demand which is a total amount of one hundred thousand dollars (\$100,000) per month from October 1st, 1928, until October 1st, 1929; one hundred sixty-two thousand five hundred dollars (\$162,500) per month from October 1st, 1929, to October 1st, 1930; two hundred thousand dollars (\$200,000) per month from October 1st, 1930, to October 1st, 1931; and thereafter while this Agreement remains in force the amount in dollars per month which is obtained by multiplying the maximum contract demand as determined in Clause 1 hereof by one and one-quarter ($1\frac{1}{4}$); the said monthly payments being subject always to adjustment as in this Agreement provided.

It is understood that the power developments necessary to supply the contract demand are of such size that they cannot advantageously be financed exclusively in Canada; and that therefore it will be desirable that the bonds issued by the Company to finance the development be payable, principal and interest, at the option of the holder, in gold coin of the United States of America, as have been the bonds of the Province of Ontario and of the Dominion of Canada which have been sold in the United States since the war. The Commission agrees to make all the payments to be made by it under this Agreement, in lawful money of Canada or in gold, as requested by the Company, at Toronto. If, however, and when the export of gold from Canada be embargoed, the Commission will, at the request of the Company, make such payments in New York funds. The Commission shall also have the right at its option to make any such payments at any time in New York funds.

3. (b) To pay the said monthly payments to the Company on the 20th day of each calendar month for the accrual of the preceding calendar month, the Company to render the bill on or before the 10th; provided that if any bill remains unpaid on the 20th of the month in which it is rendered, the Commission shall thenceforth be in arrears for said payment and all payments in arrears shall bear interest at the rate of seven per cent. (7%) per annum; provided further

that if the Commission or the Company be entitled to any adjustment in respect of any payment, such adjustment shall be given effect to in the monthly payment falling due next after the determination thereof, and no portion of any monthly payment shall be postponed pending determination of any such adjustment, except if and to the extent that any decision or determination on such adjustment (even though under appeal) shall have held the Commission entitled to the adjustment.

3. (c) At all times to take and use the three-phase power in such manner that the current will be equally taken from the three phases and in no case shall the difference in current between any two phases be greater than five per cent. (5%). If such difference be greater than five per cent. (5%), the Commission, upon instructions from the Company, shall so adjust its load as to comply with these requirements.

3. (d) At all times to take and use the power set out in Clauses 1 (a), 1 (b), 1 (c), and 1 (d) hereof, so as not to exceed the weekly takings as specified in Clause 2 (c) herein; provided that the Commission may at any time, but subject to the provisions of Clause 2 herein, increase the rate of taking of power to an amount in excess of the Contract demand, up to the limits of the overload capacity of all the equipment used from time to time by the Company exclusively to meet its obligations hereunder, and of all the unused and available capacity of the remaining 25 cycle equipment of the Company, including such spare capacity as the Company may install in order to reasonably provide for meeting the Company's obligations under this Agreement.

3. (e) To give to the Company from time to time such information as it reasonably can regarding its expected requirements in kilowatt hours from the Company, particularly as to any probable reduction in such requirements for any prospective period of light load. The intent of the parties in this clause is so far as is possible by reasonable co-operation to provide for the most economic use of the storage waters on the Gatineau watershed.

4. (a) The measurement of electrical power or energy under this Agreement shall be made by means of suitable polyphase recording demand meters and integrating kilowatt-hour meters, provided and installed by the Company and so arranged as to measure and record accurately the said power. Readings from the said kilowatt-hour meters shall be taken daily at the same hour and recorded by the Company on forms supplied by the Commission. Records from the said kilowatt-hour meters and the said recording demand meters shall be dated and forwarded promptly by the Company to the Commission and such records on file with the Commission shall be available to the Company for inspection at all reasonable times.

4. (b) The weekly taking of energy shall be determined from the weekly readings of the said kilowatt-hour meters. The power delivered under this Agreement shall be that recorded by the above mentioned polyphase recording demand meters and the demand shall be the greatest integrate demand for any twenty (20) consecutive minutes as determined from coincident readings of the meters used in the measurement of this power, provided that nothing in this sub-clause shall be construed as increasing any obligation of the Company under Clause 1.

4. (c) The power and energy covered by this Agreement shall be delivered at approximately two hundred and thirty thousand (230,000) volts (subject to Clause 2-a) as hereinbefore mentioned at the boundary between the Provinces of Ontario and Quebec at or near Chats Falls, and the Company shall install the suitable and necessary transformers and either two transmission circuits of three wires each, or a single circuit loop of three wires for transmission from the generating plant or plants to the point of delivery, of a type and capacity approved by the Commission. Instead of installing two circuits from the generating plants to the point of delivery, the Company may, at its option, install one single circuit loop connecting the point of delivery and the generating plants (in any event there shall be two circuits at point of delivery), or at the option of the Company, the circuits, double or loop, may in whole or in part be of One Hundred and Ten Thousand (110,000) or other intermediate voltage lower than approximately Two Hundred and Thirty Thousand (230,000); the Company in this case shall provide all the necessary intermediate step-up transformers and other equipment involved and make delivery at approximately Two Hundred and Thirty Thousand (230,000) volts according to the requirements of this Agreement. The power and energy supplied under this Agreement shall be measured on the generator voltage side of the Two Hundred and Thirty Thousand (230,000) volt step-up transformers at Farmer's, Chelsea and/or Pagan and no adjustment of such measurement shall be required except as below provided, the loss in single step transformation from generator to transmission voltage (approximately 230,000 volts as above) and transmission at this voltage from the transforming station or stations to the point of delivery having already been considered in the price herein specified. Such allowable losses shall not, however, in any case, include (1) more than one transformation loss on the total amount of power or energy involved, or (2) additional losses due to transmission at any intermediate voltage or to additional length of transmission. Any additional losses due to (1) and (2) shall be borne by the Company.

The Company will provide a suitable communication system between its plants and the point of delivery.

4. (d) Access to said instruments and transformers belonging to the Company shall be free to the Commission at any and all times and the Commission may test such measuring

instruments and transformers at any reasonable time in the presence of a representative of the Company, by giving to the Company seven (7) days' previous notice in writing, of its desire to test such measuring instruments.

4. (e) Measuring instruments with the necessary current and potential transformers for the measurement of electrical power or energy hereunder shall be provided, installed and maintained by the Company.

The Company agrees to test each meter installed by it to measure the electrical power and energy contracted for hereunder, at least once in each sixty (60) days. The Commission shall be advised at least five (5) days before the day of the test so they may if they so desire have a representative present to witness and verify such test. At any time the Commission notifies the Company that it believes that such meters or any of them are not within the closest practicable agreement with perfect accuracy, said meter or meters shall be jointly tested within five (5) days of the receipt by the Company of the said notice. If any meters shall be found, on regular or special test, to be inaccurate, it shall be properly adjusted and the record of its readings taken since the last prior test and all bills affected shall be corrected. The Company shall repair or replace and retest defective meters or measuring equipment within a reasonable time. During any time there is no meter in service it shall be assumed that the energy consumed is the same as for other days of the same month on which a similar load existed.

4. (f) The Commission may from time to time at its option install duplicate measuring equipment including necessary current and potential transformers at the points of measurement for the purpose of checking the records obtained from the Company's measuring equipment or for any other purpose.

4. (g) The Company shall be responsible for any damages to property or apparatus furnished by the Commission for the purpose of supplying or measuring power hereunder and installed on the Company's property, providing such damage originates from a source external to the said apparatus of the Commission and is not due to defects in the apparatus of the Commission.

4. (h) The kilowatts, kilovolt-amperes, kilowatt hours, or any other factor or quantities shall be determined directly or indirectly from the measuring equipment provided for in this Clause 4, and the University of Toronto electrical standards shall be used as the final reference as to the accuracy of the measuring equipment.

5. (a) Subject to the direction of the Commission, as provided in Clause 2, the maintenance by the Company of approximately the agreed voltage, at approximately the agreed frequency, at the point of delivery, together with the ability of the Company to meet the requirements of the Commission under this Agreement, shall constitute the delivery of power involved in this Agreement, provided, however, that the provision in Clause 2 (a) as to 2% regulation of voltage shall apply only at the points of generation.

5. (b) In case the Company shall, at any time or times, be prevented from delivering, or the Commission from receiving the said power, or any part thereof, by strikes, lockouts, riots, fire, invasion, explosion, act of God, the King's enemies, or any other similar cause or causes reasonably beyond the control of them or either of them, then to the extent of such prevention, the Company shall not be bound to deliver and the Commission shall not be bound to pay for such power during such time.

Each party shall be prompt and diligent in removing the cause of such interruption (and to this end shall in advance of any such interruption provide a reasonable reserve of spare parts and apparatus), and as soon as the cause of such interruption is removed, the Company shall, without any delay, deliver said power as aforesaid and the Commission shall pay for the same.

The Commission agrees, however, that in no period of seven consecutive years, beginning October 1st, 1928, shall the aggregate of the payments made by it to the Company be reduced under this Clause 5 (b) by more than ten per cent. (10%), (that is seventy per cent. (70%) of the average annual payment during the period) by reason of the Commission being prevented from receiving the said power.

5. (c) The Company shall have the right at reasonable times and when possible after due notice has been given to the Commission to discontinue or reduce to the extent necessary the supply of power to the Commission for the purpose of safeguarding life or property, or for the purpose of making repairs, renewals or replacements to the generating, transforming or transmitting equipment of the Company, but all such interruptions, total or partial, shall be of a minimum duration, and, when possible, arranged for at a time least objectionable to the Commission.

During such interruptions, the Commission shall be released from its obligations to pay for such power as the Commission is entitled to receive and the Company fails to deliver or to hold available for the Commission.

6. One or more representatives or engineers of the Commission designated for this purpose, may, at any reasonable time, during the continuance of this Agreement, have access to the premises of the Company for the purpose of inspecting the premises, apparatus, plants, property

and electrical and hydraulic records of the Company pertaining to the power developments at which the power supplied under this Agreement is generated, and to take and obtain records therefrom as required. Representatives of the Company shall have similar rights in respect of the premises, apparatus, plants, property and electrical and hydraulic records of the Commission pertaining to the power supplied under this Agreement.

7. If any disputes arise between the parties hereto relative to the fulfilment of any of the terms, provisos or conditions of this Agreement, or as to the method or accuracy of the measurement of power or any other question which may arise under this Agreement, the same shall be promptly referred to arbitration under the Arbitration Act of the Province of Ontario, and shall be determined under the present laws of the Province of Ontario and when possible in a summary manner. The findings of the Arbitrator or Arbitrators shall be final and binding upon both parties hereto, except that either party may appeal from an award of the arbitrators as provided in the said Arbitration Act, and that the right of appeal to the Supreme Court of Canada and to the Privy Council shall not be limited.

The Commission may pursue any or all of its remedies either concurrently or in the alternative and may treat as cumulative any or all of its remedies hereunder. The Commission may waive any default under this Agreement but such waiver shall be limited to the particular instance and shall not affect the Commission's rights under this contract.

Any failure by the Company to deliver or have available the full amount of electrical energy to which the Commission is entitled hereunder, all in the manner and under the conditions herein specified, shall be adjusted as herein provided, including the provisions for arbitration herein contained, and shall not in any event be cause for cancellation of this Agreement.

8. In case of the failure of the Company in any week to have available as set forth in Clauses 1 and 2 the full amount of electrical power or energy to which the Commission is entitled hereunder in such week, there shall be a proportionate reduction in the sums payable by the Commission to the Company for such week; that is, the amount accrued due from the Commission to the Company during such week shall be reduced by a sum having the same ratio to such accrued amount as the number of kilowatt hours which the Company fails to have available as aforesaid bears to eighty-eight (88) times the then contract demand; and in addition if such failure of the Company is due to causes within its control (deficiency of stream flow or any of the matters in Clause 5 (b) shall in no way be deemed to be within the control of the Company nor shall interruptions under Clause 5 (c) be deemed within the control of the Company, but financial difficulties are to be considered within the control of the Company), the Company shall pay to the Commission, as liquidated damages, a sum equal until October 1st, 1943, to fifty per cent. (50%) of the reduction so made in the sums payable by the Commission to the Company; thereafter, to one hundred per cent. (100%).

9. This Agreement shall be binding upon both parties hereto upon its execution and shall continue in force for a period of thirty years, which period shall begin on the day and date when power is first taken hereunder.

10. The Commission shall be entitled at the termination of this Agreement, or within thirty days thereafter, to remove from the Company's premises any and all plant or equipment which may have been installed by the Commission for the supply or measurement of power hereunder.

11. The Commission agrees to observe strictly all Quebec and other laws affecting the exportation, outside of Canada, of the electric power or energy supplied by the Company to the Commission under this Agreement.

12. All written notices which are required to be sent hereunder by either party to the other shall be sent by registered letter to such address, or addresses, as each party may, from time to time, file with the other. The parties agree each to maintain its address on file with the other.

In witness whereof the parties hereto have caused this Agreement to be executed under their corporate seals and the hands of their duly authorized officers.

HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

(Sgd.) C. A. MAGRATH, (Seal)
Chairman. Hydro-Electric
Power Commission
(Sgd.) W. W. POPE, Secretary.
of Ontario.

GATINEAU POWER COMPANY.

(Sgd.) A. R. GRAUSTEIN, (Seal)
President. Gatineau Power
Company.
(Sgd.) F. G. SIMONS, Incorporated 1926.
Secretary.

Checked

260519 (Sgd.) W. G. HANNA.

2

SUPPLEMENTARY AGREEMENT

To Indenture dated May 19th, 1926.

BETWEEN:

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

—and—

GATINEAU POWER COMPANY,

hereinafter called the "Principal Agreement."

The Company shall not be liable for any partial or total failure to deliver electrical power or energy under the Principal Agreement which is due to the act of the Province of Quebec.

In witness whereof the Parties hereto have caused this Agreement to be executed under their corporate seals and the hands of their duly authorized officers.

(Sgd.) C. A. MAGRATH,	(Seal)
Chairman.	Hydro-Electric
	Power Commission
(Sgd.) W. W. POPE,	of Ontario.
Secretary.	
GATINEAU POWER COMPANY.	
(Sgd.) A. R. GRAUSTEIN,	(Seal)
President.	Gatineau Power
(Sgd.) F. G. SIMONS,	Company.
Secretary.	Incorporated 1926.

3

SUPPLEMENTARY AGREEMENT

To Indenture dated "May 19th," 1926.

BETWEEN:

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

—and—

GATINEAU POWER COMPANY.

The Company shall not be obligated to install apparatus for a maximum voltage higher than that available from apparatus which the manufacturers are willing to build and recommend for use on a 220,000 volt system and in connection with standard 220,000 volt switching and auxiliary equipment, or higher than the Commission provides for in its portion of the 220,000 volt system.

In witness whereof the parties hereto have caused this Agreement to be executed under their corporate seals and the hands of their authorized officers.

HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO.	
(Sgd.) C. A. MAGRATH,	(Seal)
Chairman.	Hydro-Electric
(Sgd.) W. W. POPE,	Power Commission
Secretary.	of Ontario.
GATINEAU POWER COMPANY.	
(Sgd.) A. R. GRAUSTEIN,	(Seal)
President.	Gatineau Power
(Sgd.) F. G. SIMONS,	Company.
Secretary.	Incorporated 1926.

4

SUPPLEMENTARY AGREEMENT

To Indenture dated "May 19th," 1926.

BETWEEN:

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO,

—and—

GATINEAU POWER COMPANY,

hereinafter called the "Principal Agreement."

The Company may on or before August 1, 1926, notify the Commission that due to its inability theretofore to obtain certain specified and necessary rights, permits, licenses or franchises or to consummate the purchase of the Pagan water power, it is unable to proceed further with the Principal Agreement, unless the Commission will agree that the Company shall not be liable for any partial or total failure to deliver electrical power or energy under the Principal Agreement, which is due to the inability of the Company to obtain the necessary rights, permits, licenses and franchises so specified which it shall not have obtained, or to the inability of the Company to consummate its purchase of Pagan. Thereupon and within fifteen days thereafter the Commission shall notify the Company whether the Commission is willing to make such Agreement. If the Commission is unwilling to make such Agreement, the Principal Agreement shall be at an end and neither party shall be liable to the other. If the Commission does make such Agreement, and the Company thereafter makes a partial failure to deliver electrical power or energy, as herein provided, and such partial failure is of a permanent nature, a corresponding reduction shall be made in the contract demand.

The Commission agrees that it will promptly join with the Company in an application for the Ottawa River crossing in the neighbourhood of Chats Falls, and will prepare and have ready an application for this purpose together with all necessary accompanying plans on or before May 20, 1926. In case such plans shall be delayed beyond May 20, the date of August 1, shall be correspondingly postponed.

In witness whereof the parties hereto have caused this Agreement to be executed under their corporate seals and the hands of their duly authorized officers.

HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO.

(Sgd.) C. A. MAGRATH,	(Seal)
Chairman.	Hydro-Electric
(Sgd.) W. W. POPE,	Power Commission
Secretary.	of Ontario.

GATINEAU POWER COMPANY.

(Sgd.) A. R. GRAUSTEIN,	(Seal)
President.	Gatineau Power
(Sgd.) F. G. SIMONS,	Company.
Secretary.	Incorporated 1926.

5

SUPPLEMENTARY AGREEMENT

To Indenture dated "May 19th," 1926.

BETWEEN:

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO,

—and—

GATINEAU POWER COMPANY,

hereinafter called the "Principal Agreement."

The rates to be paid and payments to be made by the Commission, as set out in sub-clause (a) of Clause 3 of the Principal Agreement, shall, subject to the provisions of this supplementary agreement include all compensation to the Company for all taxes, rentals, licenses, fees and charges that may be levied, assessed or imposed by Dominion, Provincial or Municipal or any other authority for or during the term of this Agreement, or any part thereof. If, however, while the Principal Agreement shall continue in force (1) any Dominion or Provincial taxes or charges not now in existence should be created, or any now existing be increased, or (2) the rentals or royalties which are payable as now specified under the lease from the Crown of the Pagan water power generating the electrical energy supplied to the Commission hereunder shall be increased in such manner as to increase the cost to the Company in respect of these items of the electrical power or energy kept available for and delivered to the Commission

under the Principal Agreement, then in each and any such case, an increase shall be made in the payments by the Commission to the Company hereunder which shall after crediting any reductions in any of such items exactly compensate the company for the increase thereby occasioned in the cost to the Company of the electrical power or energy kept available for and delivered to the Commission under the Principal Agreement.

The recently authorized Quebec tax not yet promulgated is not considered as now in existence.

In witness whereof the parties hereto have caused this Agreement to be executed under their corporate seals and the hands of their duly authorized officers.

HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO.

(Sgd.) C. A. MAGRATH, (Seal)
Chairman. Hydro-Electric
Power Commission
of Ontario.

(Sgd.) W. W. POPE,
Secretary.

GATINEAU POWER COMPANY.

(Sgd.) A. R. GRAUSTEIN, (Seal)
President. Gatineau Power
Company.

(Sgd.) F. G. SIMONS, Secretary. Incorporated 1926.

6

SUPPLEMENTARY AGREEMENT

To Indenture dated May 19, 1926.

BETWEEN:

HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

—and—

GATINEAU POWER COMPANY,

hereinafter called the "Principal Agreement."

1. The place of delivery of the power and energy shall instead of being at the boundary between the Provinces of Ontario and Quebec at or near Chats Falls as mentioned in one of the recitals in the Principal Agreement and required by Clause 4 (c) of the Principal Agreement, be a point in the Province of Ontario ten feet distant from the boundary between the Provinces of Ontario and Quebec at or near Chats Falls.

2. It is understood and agreed between the parties hereto that the said change in place of delivery shall not subject the Company to the burden of taxes, fees or other charges levied, assessed or imposed in respect of the electrical power or energy sold and delivered under the Principal Agreement and supplementary agreements as hereinafter provided by or under the authority of the Province of Ontario or any taxing authority thereof or therein; and notwithstanding any provision of the Principal Agreement or of the agreement supplementary thereto between the parties (hereinafter mentioned) relating to the rates to be paid and payments to be made by the Commission and the inclusion therein of compensation to the Company for taxes, rentals, licenses, fees and charges of Dominion, Provincial or Municipal or other authorities, the Commission will indemnify the Company against and reimburse the Company for any and all taxes, fees and other charges which may at any time be levied, assessed or imposed by the Province of Ontario or any authority thereof or thereunder, including any municipality therein, in respect of the ownership, operation, maintenance or use of the ten feet of transmission lines in Ontario, or in respect of the transmission, sale or delivery of power or energy under the Principal Agreement and supplementary agreements or in respect of the gross or net income derived therefrom, whether any such tax, fee or other charge is levied, assessed or imposed upon the Company itself or its property, or upon the owner of such ten feet of transmission lines (if the same is not owned by the Company) or upon the property of such owner.

3. The Principal Agreement and the four supplementary agreements for the following purposes:

- (1) Agreement in reference to the Company's ability to obtain certain rights and franchises to permit it to make delivery of power to the Commission, and in default of it being able to do so before August 1st, 1926, making certain provisions for cancellation of the Principal Agreement;
- (2) Agreement with reference to additional or increased Dominion or Provincial taxes and charges, providing that the Commission must pay the same;
- (3) Agreement relieving the Company from liability for failure to deliver power under the Principal Agreement due to any Act of the Province of Quebec;

- (4) Agreement relieving the Company from installation of apparatus of maximum voltage higher than that which the manufacturers are willing to recommend;

Together with this Supplementary Agreement, are hereby entered into as of the 19th day of May, 1926, and all the covenants, terms and conditions set out in the Principal Agreement and the aforesaid five supplementary agreements are hereby agreed to by the parties hereto as of the 19th day of May, 1926.

In witness whereof the parties hereto have caused this Agreement to be executed under their corporate seals and the hands of their duly authorized officers this 27th day of July, 1926.

HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO.

(Sgd.) C. A. MAGRATH,

Chairman. (Seal)

(Sgd.) W. W. POPE,

Secretary. Hydro-Electric
Power Commission
of Ontario.

GATINEAU POWER COMPANY.

(Sgd.) A. R. GRAUSTEIN,

President. (Seal)
Gatineau Power
Company

(Sgd.) F. G. SIMONS,

Secretary. Incorporated 1926.

SCHEDULE "B"

BETWEEN:

THE ONTARIO HYDRO-ELECTRIC POWER COMMISSION

—AND THE—

GATINEAU POWER COMPANY

1. AGREEMENT AS OF DECEMBER 28TH, 1927.
2. AGREEMENT, AS OF DECEMBER 28TH, 1927.

1

This Indenture dated the 28th day of December, A.D. 1927.

BETWEEN:

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO.
hereinafter called "the Commission,"

of the first part

—and—

GATINEAU POWER COMPANY, hereinafter called "the Company"

of the second part.

Witnesseth That

Whereas the Commission, acting under *The Power Commission Act, 1927*, 17 Geo. V., Chapter 17, and Amendments thereto, is authorized to enter into an Agreement for the purchase of electrical power and energy for the Commission;

And whereas the Company is duly incorporated under laws of the Province of Quebec, and is carrying on business for the production and sale of electrical power and energy;

And whereas the Company is prepared to deliver electrical power and energy from its present and future developments on the Gatineau River and elsewhere in the Province of Quebec to the Commission at the points in Ontario hereinafter provided, and is willing to enter into an Agreement with the Commission for such purposes;

Now therefore this Indenture witnesseth:

That for the consideration herein contained, the parties hereby covenant, promise and agree as follows:

1. The Company agrees:

(a) To keep available for delivery to the Commission and deliver when and as required by the Commission on the conditions herein contained electrical power and energy which shall not be less than the minimum amounts specified in the following schedule during the times therein mentioned namely:

Commencing on the First day of October, 1928, and continuing until increased on the First day of October, 1929, the minimum amount of six thousand horsepower (6,000 H.P.);

Commencing on the First day of October, 1929, and continuing until increased on the First day of October, 1930, the minimum amount of twelve thousand horsepower (12,000 H.P.);

Commencing on the First day of October, 1930, and continuing until increased on the First day of October, 1931, the minimum amount of eighteen thousand horsepower (18,000 H.P.);

Commencing on the First day of October, 1931, and continuing until increased on the First day of October, 1932, the minimum amount of twenty-four thousand horsepower (24,000 H.P.);

Commencing on the First day of October, 1932, and continuing until increased on the First day of October, 1933, the minimum amount of thirty thousand horsepower (30,000 H.P.);

Commencing on the First day of October, 1933, and continuing until increased on the First day of October, 1934, the minimum amount of thirty-six thousand horsepower (36,000 H.P.);

Commencing on the First day of October, 1934, and continuing until increased on the First day of October, 1935, the minimum amount of forty-two thousand horsepower (42,000 H.P.);

Commencing on the First day of October, 1935, and continuing until increased on the First day of October, 1936, the minimum amount of forty-eight thousand horsepower (48,000 H.P.);

Commencing on the First day of October, 1936, and continuing until increased on the First day of October, 1937, the minimum amount of fifty-four thousand horsepower (54,000 H.P.);

Commencing on the First day of October, 1937, and continuing so long as this Agreement shall continue in force the minimum amount of sixty thousand horsepower (60,000 H.P.);

Provided that each minimum amount specified in the said schedule shall be the contract demand during the time therein mentioned unless and until increased as provided herein:

1. (b) To keep available for delivery to the Commission and deliver when and as required by the Commission after written notice from the Commission given from time to time prior to the First day of October, 1938, and effective subject to the provisions of Sub-clause (e) of Clause 3 additional electrical power and energy in addition to the then contract demand up to but not exceeding that amount which with the then contract demand will make a total amount of one hundred thousand horsepower (100,000 H.P.) provided that the total amount of electrical power and energy from time to time to be kept available shall be the contract demand; provided that any additional amount or amounts required by the Commission by notice or notices from time to time under this Sub-clause (b) or such portion thereof as the Commission may determine shall be applied at the option of the Commission to be expressed in such notice: (A) to take up and form part of the increases in minimum amounts provided for in Sub-clause (a) of this Clause 1; or (B) to add to the said minimum amounts as a permanent addition thereto and increase of contract demand, in which case the Commission shall be entitled to the increases in minimum amounts provided for under Sub-clause (a) and all the additions under Sub-clause (b) up to but not exceeding the total amount of one hundred thousand horsepower (100,000 H.P.); and provided further that the total amount including the minimum of sixty thousand horsepower (60,000 H.P.) and subject to the above option all electrical power and energy in addition thereto which the Commission shall have ordered by notice as aforesaid prior to the first day of October, 1938, shall constitute the contract demand commencing on the First day of October, 1938, or so soon thereafter as the same shall be available but in any event not later than the year or two years respectively allowed under Sub-clause (e) of Clause 3 and continuing so long as this Agreement remains in force subject always to any increase which may be made under Sub-clause (a) of Clause 2; One hundred thousand horsepower (100,000 H.P.) or such greater amount as shall have become the contract demand by reason of increase under Sub-clause (a) of Clause 2, shall be the contract demand governing this Agreement; and shall remain unaltered notwithstanding the provisions for ten per cent. (10%) excess in Sub-clause (e) of Clause 2, except as therein provided;

1. (c) To install at its said Gatineau River and other developments sufficient equipment and also transmission lines so as to insure fulfilment at all times of the terms of this Agreement.

1. (d) To provide a storage reservoir, or storage reservoirs on the Gatineau River of at least 82,000,000,000 cubic feet capacity this amount having been determined by the Quebec Streams Commission as the appropriate amount to provide a normal minimum regulated stream flow at Chelsea in excess of 9,000 c.f.s.; to use its best efforts to have such storage administered to the best advantage to facilitate its performance of this Agreement; to deliver the full amount of electrical power and energy called for in the preceding sub-clauses of this clause and Sub-clause (b) of Clause 2 at all times when the stream flow at Chelsea would be at least equal to such normal minimum of 9,000 c.f.s. with a capacity of 82,000,000,000 cubic

feet of storage; at all times when the storage capacity provided to the amount of 82,000,000,000 cubic feet as aforesaid the river would not have provided a stream flow at Chelsea of 9,000 c.f.s., the amount of electrical energy to which the Commission is entitled hereunder shall during the period of such deficiency be reduced in the same percentage by which the stream flow available with storage capacity to the amount of 82,000,000,000 cubic feet would have fallen below the said minimum;

Provided that the storage reservoir or reservoirs mentioned in this sub-clause shall be the same and shall not be in addition to the storage reservoir or reservoirs mentioned in the contract between the Company and the Commission dated the 19th day of May, A.D. 1926;

1. (e) If at any time or times, however, the Commission anticipates a deficiency in stream flow below the said normal minimum regulated flow within the ensuing six (6) months' period, it may give to the Company written notice stating and certifying as facts that the Commission anticipates during the ensuing six (6) months such a deficiency in stream flow as would prevent the Company making full deliveries to the Commission throughout that period, that because and only because of such anticipated deficiency and of its desire to regulate its supply during the said period the Commission desires the Company to curtail its deliveries to the Commission at times during such period, specifying the weeks during which the Commission desires such curtailment made, and certifying the number of kilowatt hours which the Commission would require in each such week were it not for such anticipated deficiency, the number of kilowatt hours curtailment which the Commission desires in each such week, and the number of kilowatt hours which the Company is to deliver to the Commission in each such week under such curtailment programme. Such notice shall be delivered to the Company at least one clear week before the first week in which it requires curtailment. The Company shall thereupon reduce as therein required its deliveries to the Commission, and shall not be considered to have held available for the Commission in any week specified in such notice the kilowatt hours of curtailment specified in the notice, and the Commission shall be entitled to a reduction in its payments for such week in the ratio which the kilowatt hours of curtailment bear to full contract deliveries; if at the end of such six months' period it shall appear that there was in fact water available either from storage or precipitation or natural run-off for the supply of all or part of the kilowatt hours of curtailment then to the extent to which there was in fact water available as aforesaid to generate such kilowatt hours of curtailment, the Commission shall promptly make good with interest at six per cent. (6%) per annum the amount by which its payments have been reduced on account of such curtailment.

If the anticipated deficiency in fact occurs the Commission shall at all times during the six months' period specified in such notice be entitled to receive within the requirements imposed by the curtailment notices of the Commission and the provisions of sub-clause (b) of Clause 2 the full amount of the contract power and energy subject to sub-clause (d) of this Clause.

The Commission may at any time vary the curtailment specified in such notice for any week by giving the Company written notice of such modification at least seven days before the beginning of such week;

2. (a) The power delivered hereunder shall be alternating, three-phase, having a periodicity of approximately 60 cycles per second and a pressure between phase wires of approximately one hundred and fourteen thousand (114,000) volts at the Interprovincial boundary at or near Ottawa; the Company shall maintain the generator voltage within 2% of the generator voltage corresponding to the 114,000 volts at the said Interprovincial boundary; the power delivered hereunder shall be commercially continuous twenty-four hour power every day in the year except as provided herein; the Company shall install suitable and necessary works and equipment for such purposes including two transmission lines of three conductors each from the generating plant or plants of the Company to the points of delivery of a type and capacity approved by the Commission.

The Company at all times shall use its best endeavour to co-operate with the Commission by such means and to the extent it may consider proper to meet the requirements of the Commission in variation of the aforesaid voltage so as to furnish a voltage satisfactory to the Commission; when the maximum contract demand shall have been determined under this agreement the Company shall co-operate with the Commission to the end that power may be furnished to the Commission from a separate group of generating units and/or transforming units independent of (not in parallel with) any other system or from a source or sources of power independent of generating systems other than the generating systems of the Company on the Gatineau and Ottawa Rivers and their tributaries.

If the Commission gives notice in writing to the Company that it requires power to be supplied to it from separate equipment or from a separate group of generating units and/or transforming units as aforesaid and if the Company claims that for such purpose works and equipment are necessary in addition to the works and equipment of the Company then in existence or changes are thereby necessary in the said then existing works and equipment of the Company then the Company within six months of receipt of the said notice from the Commission shall give to the Commission full details of the additional works and equipment

and/or changes which it alleges to be necessary together with an itemized statement showing in detail the estimated cost thereof. If upon the receipt of the said details the Commission agree with the proposals and approves of the extent and type of the additional works and equipment and/or changes as proposed by the Company, then the Company shall upon the request of the Commission proceed with the work and when completed the Commission shall pay one-half of the balance of the cost thereof remaining after deducting from the total such amount as may be agreed upon or determined as the salvage value and accrued depreciation on the equipment, plant or part thereof replaced in the then existing plant by reason of the said additional works, equipment and/or changes, but if the Commission and the Company do not agree as to the necessity for or desirability of the extent and type of additional works and equipment and/or changes as proposed by the Company the Commission may nevertheless request the Company to proceed with such additional works, equipment and/or changes, or such part thereof as the Company deems necessary to enable it to meet the requirements of the Commission under the notice as aforesaid, and in such case the Company shall thereafter as speedily as possible proceed with such additional works and equipment and/or changes, and in such case the Commission shall pay to the Company one-half of the balance of the cost thereof (remaining after deducting from the total such amount as may be agreed upon or determined as the salvage value and accrued depreciation of the equipment, plant or part thereof replaced in the then existing plant by reason of the said additional works and equipment and/or changes) as may under the terms of this Agreement be finally determined as having been necessary expenditures by the Company in order to enable it to comply with the said notice in writing as aforesaid.

If in order to furnish power to the Commission from separate equipment or independent sources as aforesaid it is necessary for the Company to allot a unit of equipment or group of units for such service when the normal capacity of the said unit or group together with the other units forming the group is greater than the then contract demand and the Company cannot alter or re-arrange the said unit or group the Company shall have the option (a) of requiring the Commission to increase the contract demand as provided in sub-clause (b) of Clause 1 to any amount up to that amount which shall require all the normal capacity of the said unit or groups with the other units forming the group or (b) of supplying power from the said unit or group both to the Commission and also to other customers of the Company but not connected to (not in parallel with) other generating units to such an extent that the Commission's contract demand and the other loads will approximately equal the normal capacity of the said unit with the other units forming the group; the change in contract demand contemplated by this sub-clause (a) shall become effective even if thereby the maximum contract demand covering this Agreement as defined in sub-clause (b) of Clause 1 exceeds 100,000 horsepower; the excess of 10% provided for in sub-clause (c) of Clause 2 shall be over and above the contract demand as hereby changed.

2. (b) The Commission shall be entitled to the contract demand, up to a maximum weekly load factor of seventy per cent. (70%) thereof and no more; that is to say, that during each calendar week after October 1st, 1928, so long as this Agreement shall remain in force, the Commission shall be entitled, subject, to Clauses 3 (f), 5 (b) and 8, to receive such electrical energy as it shall require, not in excess of eighty-eight (88) kilowatt-hours for each horsepower of contract demand.

On Sundays and holidays, the Commission at the request of the Company, shall take not less than three (3) kilowatt-hours for each horsepower of contract demand. On Saturdays, the Commission, at the request of the Company, shall take not less than seven (7) kilowatt-hours for each horsepower of contract demand.

In the event of an increase in the contract demand occurring other than at the beginning of a calendar week, the Commission shall be entitled to receive the same number of kilowatt-hours for each horsepower of contract demand each day for the remainder of the week as were received for each horsepower of contract demand during the corresponding days of the last preceding week.

2. (c) The maximum amount of electrical power and energy delivered by the Company at any time when the ratio of the kilowatts to the kilovolt amperes is less than eighty-five per cent. (85%) shall be eighty-five per cent. (85%) of the kilovolt amperes considered as true power or kilowatts, subject to the inadvertent taking under Clause 2 (d).

2. (d) It is understood and agreed that in the operation of extensive generation and transmission systems, consisting of several generating plants, in parallel, the control of the power and energy supplied from one system to another and the power factor thereof is to an extent within the control of the operators in the generating plants of the system from which the power and energy is supplied, and, in order to insure satisfactory operation in parallel with the other sources of supply of the Commission, it is agreed that the Company shall co-operate to the fullest extent, so far as normal operation of its Gatineau River generating and transforming systems and their interconnecting transmission systems will permit, with the Commission in controlling the power factor and the amount of power and energy delivered to the Commission by the Company hereunder.

The Commission on its part shall use its best efforts to keep its power demands on the Company's system within the contract demand and to maintain the power factor within the limits defined in Sub-clause (c) of this Clause 2 and will not intentionally permit its power demands to exceed the contract demand or the power factor to fall below 85%.

If by reason of such parallel operation, the Commission shall inadvertently receive electrical power from the Company at a lower power factor than herein provided, or in excess of the amount of the then contract demand, then the Commission shall not be subject to any charge hereunder for such excess taking of power and such excess taking shall not increase the contract demand as herein defined or increase the amount of the payment provided for in Sub-clause (b) of Clause 3 and shall not increase or affect, in any way, any obligation of, or impose any obligation upon the Commission hereunder; excepting that the Company shall forthwith notify the Commission of such excess and thereupon both parties shall exercise all skill and diligence so as to limit to the utmost such excess taking to a minimum amount and to the shortest possible period of time reasonably necessary for the proper adjustment of the load and power factor between the various generating plants;

2. (e) The Commission at any time or times, and otherwise than provided in Clause 2 (d) may, on notice in writing to the Company, take electrical power in excess of the then contract demand up to but not exceeding 10% in excess of the then contract demand; in each month in which any such excess is taken, the amount taken comprising both the then contract demand and such excess shall be deemed to be the contract demand for that month for all purposes under this Agreement; provided that the Commission shall in each year pay to the Company, as a minimum for not less than the equivalent of four months' taking of the said ten per cent. (10%) in excess of contract demand, whether any such excess is taken or not; provided, further, that except for the purposes of this Sub-clause nothing contained in this sub-clause shall affect the provisions of Sub-clauses (a) and (b) of Clause 1.

2. (f) If the Commission shall take in any week more kilowatt hours than it is entitled to take in such week, and the Company shall not in advance of such excess taking have filed with the Commission a protest against the same, then upon notice, in writing from the Company, the Commission will adjust the matter by making a corresponding reduction in its takings in the next following week in which its requirements permit it to do so, and the Commission shall not be subject to any charge for such excess taking, or for any delay in making good the same. A protest from the Company for the purpose of this clause must be based upon a prior excess taking by the Commission and may not cover a period beyond the six months next following such excess taking. After receipt of such protest and during the period covered thereby, the Commission shall limit its weekly taking to the number of kilowatt-hours which it is entitled to take hereunder; always provided that the Company, so far as practicable, regulates the rate of delivery of power and the kilowatt-hours from time to time, as the Commission may direct.

2. (g) The Company shall be considered to have held available for the Commission in each week all the power and energy to which the Commission was entitled in that week unless the Company has failed so to do and the Commission complains forthwith of the Company's failure to have the power and energy available as aforesaid and within fourteen (14) days after the end of the week in which the failure occurs the Commission shall have given to the Company written notice of the complaint;

2. (h) The Commission and the Company will co-operate in respect of all matters of common interest, including plant and equipment, design, hydrology and storage, provided that the Commission and the Company shall each have the final decision and be responsible for its respective plants and properties. The Commission and the Company will also co-operate in respect of design and control, protective communication and other such features, as necessitate similar or co-ordinated equipment at the plants of each party. The Commission and the Company shall also install only first-class, modern equipment of such characteristics and type as are best suited for the service intended, and from time to time make such commercially reasonable changes in, or additions to, such equipment (other than major equipment), as will best serve the system as a whole. The Commission and the Company shall exercise all due skill and diligence, so as to secure the satisfactory operation as a system, of the plant, apparatus, and property of both the Commission and the Company.

3. The Commission agrees:

(a) To take from the Company all the electrical power and energy mentioned in Sub-clause (a) of Clause 1 at the times therein provided or at such earlier dates as may be required.

3. (b) To pay to the Company in monthly payments for the then contract demand at the following rates, namely:

(1) For that part of the contract demand taken by the Commission at Ottawa as herein-after provided which part shall not be less than approximately 25% of the contract demand at the rate of fifteen dollars (\$15.00) per horsepower per annum;

(2) For the remainder of the contract demand at the rate of Fourteen Dollars and Seventy Cents (\$14.70) per horsepower per annum delivered as at Smith's Falls;

the said monthly payments shall be subject always to adjustments as in this Agreement provided;

The Commission agrees to make all payments to be made by it under this Agreement in lawful money of Canada or if demanded in gold of the present standard of weight and fineness in Canada, provided that if Canada suspends payment in gold then during the time of such suspension payments shall be made in lawful money of Canada, at such bank as the Company may designate in writing from time to time in the city of Toronto.

3. (c) To pay each said monthly payment to the Company after receipt of a bill therefor which shall be rendered by the Company to the Commission on the Tenth day of each month for the amount owing for the preceding month on or before the Twentieth day of the then current month; and all payments in arrears shall bear interest at the rate of Six per cent. (6%) per annum; provided, further, that if the Commission or the Company be entitled to any adjustment in respect of any such bill such adjustment shall be given effect to in the monthly payment next falling due.

3. (d) At all times to take and use the power and energy in such a manner that the current will be equally taken from the three phases and in no case shall the difference in current between any two phases be greater than five per cent. (5%). If such difference be greater than five per cent. (5%), the Commission, upon instructions from the Company, shall so adjust its load as to comply with these requirements.

3. (e) To give to the Company notice in writing from time to time of all power and energy in excess of the then contract demand which the Commission desires from the Company and is entitled to under this agreement; provided that so long as the contract demand after increase by the said additional power and energy does not exceed sixty thousand horsepower (60,000 H.P.) the Company shall not be obliged to deliver the said additional power and energy until one year after the receipt of such notice if generating equipment in addition to the then existing generating plants or new hydro-electric development is required for the delivery of the said additional power and energy and for the provision of such a reserve as may be necessary for the next ensuing increase in minimum power to be held available under sub-clause (a) of Clause 1 or such lesser period as may be necessary to provide such equipment and/or development; provided further that when the contract demand after increase by the said additional power and energy exceeds sixty thousand horsepower (60,000 H.P.) the Company shall not be obliged to deliver the said additional power and energy until one year after the receipt of said notice if generating equipment in addition to the then generating equipment is required for the delivery of the said additional power and energy nor until two years after the receipt of said notice if new hydro-electric development is required for the delivery of the said additional power and energy or such lesser periods as may be necessary to provide such equipment and/or development.

Within one month after receipt of the said notice from the Commission the Company shall give to the Commission notice in writing stating when the Company will have available and be ready to deliver the power and energy mentioned in the Commission's notice.

If the Company shall give notice to the Commission as hereinbefore provided that the Company requires time to make the same available then the Commission during the interval may obtain the said power elsewhere.

All 60 cycle power purchased by the Commission to meet the Commission's requirements for the Commission's central Ontario, Rideau, St. Lawrence and Ottawa Systems other than power already contracted for, by or being supplied to the Commission shall be purchased from the Company until the contract demand under this Agreement shall have reached 100,000 horsepower or shall have been fixed at a lesser amount on the First day of October, 1938; provided always that if the Company fails to have power available at the times provided and in accordance with the terms of this Agreement then the Commission in addition to its other rights hereunder may purchase the said 60 cycle power elsewhere.

The Commission at any time may itself develop power.

3. (f) To give the Company from time to time, such information as it reasonably can regarding its expected requirements in kilowatt-hours from the Company, particularly as to any probable reduction in such requirements for any prospective period of light load. The intent of the parties in this Clause is so far as is possible by reasonable co-operation to provide for the most economic use of the Company's storage waters.

4. (a) The measurement of electrical power and energy under this Agreement shall be made by means of suitable polyphase recording demand meters and integrating kilowatt-hour meters, so arranged as to measure and record accurately the said power and energy.

4. (b) The weekly taking of energy shall be determined from the weekly readings of the said kilowatt-hour meters. The power delivered under this Agreement shall be that recorded by the above-mentioned polyphase recording demand meters and the demand shall be the greatest integrated demand for any twenty (20) consecutive minutes as determined from coincident readings of the meters used in the measurement of this power.

4. (c) The power and energy covered by this Agreement shall be kept available for delivery to the Commission and shall be delivered at two points of delivery in the Province of Ontario, namely, at the Western boundary of the City of Ottawa; and at the Northern boundary of the Town of Smiths Falls.

4. (d) The point of measurement for the power and energy supplied under this Agreement shall be at the generating plant or plants of the Company and/or at, or near the points of delivery by meters provided, installed and maintained by the Company.

Whenever the said measuring instruments are connected at other than the points of delivery, their readings shall be subject to a correction and shall be corrected to give readings such as would be obtained by instruments connected at the points of delivery; such correction shall be based, as far as possible, on actual tests made on the apparatus concerned, or on calculations, based on a certified test data to be in accordance with the standard rules of the American Institute of Electrical Engineers.

Readings from the said kilowatt-hour meters shall be taken daily at the same hour and recorded on forms provided by the owner of the meters. Records from the said kilowatt-hour meters and the said recording demand meters shall be dated and forwarded promptly by the owner of the meters to the other party and such records shall be finally forwarded to the Commission and filed with the Commission, to be available for inspection of both parties at all reasonable times.

The Company will provide and maintain a suitable communication system between its plants and the points of delivery.

4. (e) Access to said instruments, transformers and other measuring equipment of either party shall be free to the other party at any and all times, and either party may test any such measuring equipment of the other party at any reasonable time in the presence of a Representative of the other party by giving to the other party seven (7) days' previous notice in writing of its desire to test such measuring equipment;

4. (f) The owner of the measuring instruments agrees to test each meter installed by it to measure the electrical power and energy contracted for hereunder, at least once in each sixty (60) days. The other party hereto shall be advised at least five (5) days before the day of the test, so it may, if it so desire, have a representative present to witness and verify such test. At any time, the Commission notifies the Company that it believes that such meters, or any of them, are not within the closest practicable agreement with perfect accuracy, said meter or meters shall be jointly tested within five (5) days from the receipt by the Company of the said notice. If any meter shall be found on regular or special test, to be inaccurate, it shall be properly adjusted and the record of its readings taken since the last prior test and all bills affected shall be corrected. The Company shall repair or replace and retest defective meters or measuring equipment within a reasonable time. During any time there is no meter in service, it shall be assumed that the energy consumed is the same as for other days of the same month on which a similar load existed.

4. (g) The Commission may, from time to time at its option install duplicate measuring equipment including necessary current and potential transformers at the points of measurement for the purpose of checking the records obtained from the Company's measuring equipment or for any other purpose.

4. (h) Each party shall be responsible for any damage to property or apparatus furnished by the other party for the purpose of supplying or measuring power hereunder and installed on its property, providing such damage originates from a source external to said apparatus of the other party and is not due to defects in the apparatus of the other party.

4. (i) The kilowatts, kilovolt-amperes, kilowatt hours, or any other factors or quantities shall be determined directly or indirectly from the measuring equipment provided for in this Clause 4, and the University of Toronto electrical standards shall be used as the final reference as to the accuracy of the measuring equipment.

5. (a) The maintenance by the Company of approximately the agreed voltage, at approximately the agreed frequency, as herein provided, together with the ability of the Company to meet the requirements of the Commission under this Agreement shall constitute the delivery of power involved in this Agreement, provided, however, that the provision in Clause 2 (a) as to 2% regulation of voltage shall apply only at the points of generation.

5. (b) In case the Company shall, at any time or times, be prevented from delivering, or the Commission from receiving the said power, or any part thereof, by strikes, lock-outs, riots, fire, invasion, explosion, hurricane, flood, act of God or the King's enemies, then to the extent of such prevention, the Company shall not be bound to deliver and the Commission shall not be bound to pay for such power during such time.

Each party shall be prompt and diligent in removing the cause of such interruption (and to this end shall in advance of any such interruption provide reasonable reserve of spare parts and apparatus), and as soon as the cause of such interruption is removed, the Company shall, without any delay, deliver said power as aforesaid and the Commission shall pay for the same.

5. (c) The Company shall have the right at reasonable times and when possible after due notice has been given to the Commission to discontinue or reduce to the extent necessary the supply of power to the Commission for the purpose of safeguarding life or property, or for the purpose of making repairs, renewals or replacements to the generating, transforming or transmitting equipment of the Company, but all such interruptions, total or partial, shall be of a minimum duration, and, when possible, arranged for at a time least objectionable to the Commission.

During such interruptions, the Commission shall be released from its obligations to pay for such power as the Commission is entitled to receive and the Company fails to deliver or to hold available for the Commission.

6. One or more representatives or engineers of the Commission designated for this purpose, may, at any reasonable time, during the continuance of this Agreement, have access to the premises of the Company for the purpose of inspecting the premises, apparatus, plants, property and electrical and hydraulic records of the Company pertaining to the power developments at which the power supplied under this Agreement is generated, and to take and obtain records therefrom as required. Representatives of the Company shall have similar rights in respect of the premises, apparatus, plants, property and electrical and hydraulic records of the Commission pertaining to the power supplied under this Agreement.

7. If any dispute arise between the parties hereto relative to the fulfilment of any of the terms, provisos or conditions of this Agreement or as to the method or accuracy of the measurement of power, or any other question, which may arise under this Agreement, the same shall be referred to arbitration under the present Arbitration Act of the Province of Ontario, R.S.O. 1914, Chapter 65, and shall be determined under the laws of the Province of Ontario and the findings of the said arbitrator or arbitrators shall be final and binding on both parties hereto except that either party may appeal from an award of the arbitrators as provided in the said Arbitration Act, and that the right of appeal to the Supreme Court of Canada and to the Privy Council shall not be limited.

8. In case of failure of the Company to have available in any week the full amount of electrical energy (kilowatt-hours) to which the Commission is entitled in such week there shall be a proportionate reduction in the sums payable by the Commission to the Company at the end of the month in respect of such week, that is the amount accrued due from the Commission to the Company during such week shall be reduced by a sum having the same ratio to such accrued amount as the number of kilowatt-hours which the Company fails to have available bears to eighty-eight (88) times the then contract demand in horsepower.

In case of the failure of the Company during any period to have available the full amount of electrical power (horsepower) to which the Commission is entitled hereunder, there shall be a proportionate reduction in the sum payable by the Commission to the Company for such period, that is, the amount accrued due from the Commission to the Company during such period shall be reduced by a sum having the same ratio to such accrued amount as the average number of horsepower of electrical power which the Company fails to have available during such period bears to the then contract demand in horsepower; no reduction shall, however, be made in respect of inadvertent failure of less than an aggregate of twenty minutes in any one week; provided that if during the week including such period the load factor of the electrical energy delivered to the Commission exceeds seventy per cent. (70%) of the contract demand as reduced by such average number of horsepower of electrical power which the Company fails to have available throughout such week the Commission shall credit on the reduction a rateable payment for the excess kilowatt hours.

Provided further that in respect of any one week the Commission shall be entitled to only one reduction in the amount owing for such week, such reduction being either in respect of energy or in respect of power whichever reduction shall be greater.

In addition if any such failure of the Company be due to causes within its control (deficiency of stream flow or any interruption mentioned in Sub-clauses (b) and (c) of Clause 5 shall not be deemed to be within the control of the Company) the Company shall pay to the Commission as liquidated damages agreed and fixed upon beforehand a sum of money equal to one hundred per cent. (100%) of the reduction so made in the sums payable by the Commission to the Company.

If in any period of twelve months while this Agreement remains in force the Company fails for a total of twenty-six weeks to have available the full amount of electrical power and energy which is necessary to perform the Company's obligation under this contract then notwithstanding anything in this Agreement the Commission at its option, by notice in writing to the Company given not later than three months after termination of such period, may to the extent of the deficiency reduce the said contract demand and purchase electrical power and energy elsewhere.

In case any of the works of the Company are wholly or partly destroyed and rendered unfit for service so as to prevent the Company from fulfilling its obligations under this contract,

or so as to materially interfere with the Company in fulfilling its obligations, and such conditions shall exist for a period of six months without the Company taking such steps as the Commission consider satisfactory to remedy the same, the Commission may, in case the disability is total, cancel this Agreement, or in case such disability is only partial, reduce the contract demand to the delivery of the amount of power which, in the opinion of the Commission, the Company is capable of delivering under the circumstances.

9. The Commission may pursue any or all of its remedies either concurrently or in the alternative and may treat as cumulative any or all of its remedies hereunder. The Commission may waive any default under this Agreement but such waiver shall be limited to the particular instance and shall not affect the Commission's rights under this Agreement.

10. This Agreement shall be binding upon both parties hereto, upon its execution and shall continue in force for a period of forty years from the First day of October, 1928, and shall end on the Thirtieth day of September, 1968.

11. Each party shall be entitled at any time prior to thirty days after written notice given by the other party after the termination of this Agreement, to remove from the premises of the other party any and all plant, apparatus and equipment which may have been installed by it for the supply or measurement of power hereunder.

12. The Commission agrees to observe strictly, all Quebec and other laws affecting the exportation outside of Canada of the electrical power and energy supplied by the Company to the Commission under this Agreement.

13. The rates to be paid and payments to be made by the Commission, as set out in sub-clause (b) of Clause 3, shall, subject to the provisions of this Agreement include all compensation to the Company for all taxes, rentals, licenses, fees and charges that may be levied, or assessed or imposed by Dominion, Provincial or Municipal or any other authority for or during the term of this Agreement, or any part thereof. If, however, while this Agreement shall continue in force (1) any Dominion or Provincial taxes or charges not now in existence should be created, or any now existing be increased, or (2) the rentals or royalties which are payable, be increased in such manner as to increase the cost to the Company by reason of these items of the electrical power and energy kept available for and delivered to the Commission under this Agreement, then in each and any such case, an increase shall be made in the payments by the Commission to the Company hereunder which shall after crediting any reduction in any of such items exactly compensate the Company for the increase thereby occasioned in the cost to the Company of the electrical power and energy kept available for and delivered to the Commission under this Agreement; provided that Workmen's Compensation and any rates or charges in respect thereof shall not be deemed a tax for the purposes of this Clause and the liabilities and obligations of the Commission shall not be in any way increased thereby but the same shall be borne by the Company.

The recently authorized educational tax of the Province of Quebec not yet promulgated is not considered as now in existence.

14. The transmission lines and equipment in Ontario constructed or used by the Company for the purpose of delivering electrical energy under this Agreement shall be used solely for the said purpose and no electrical power or energy shall be transmitted or sold by means of the said lines and equipment except to the Commission.

15. All written notices which are required to be sent hereunder by either party to the other shall be sent by registered letter to such address, or addresses, as each party may, from time to time, file with the other. The parties agree each to maintain its address on file with the other.

In witness whereof the parties hereto have caused this Agreement to be executed under their corporate seals and the hands of their duly authorized officers.

I.B.L.
HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO.

(Sgd.) C. A. MAGRATH,
Chairman. Corporate Seal of
the Commission.

(Sgd.) W. W. POPE,
Secretary.

GATINEAU POWER COMPANY.

(Sgd.) A. R. GRAUSTEIN,
President.

(Sgd.) F. C. SIMONS,
Secretary.

Approved:
GEO. H. KILMER.
G. T. CLARKSON.
F. A. GABY.

2

This Indenture dated the 28th day of December, A.D. 1927.

BETWEEN:

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO,
hereinafter called "the Commission,"

of the First Part;

—and—

GATINEAU POWER COMPANY, hereinafter called "the Company,"
of the Second Part,

Whereas by an Agreement bearing date the 28th day of December, A.D. 1927 (hereinafter called the "contract") the Company agreed to deliver to the Commission, electrical power and energy for the price and on the terms therein set forth, and it has been agreed between the parties to vary certain provisions of the said Agreement and to add certain provisions thereto as hereinafter set forth.

Now it is hereby agreed:—

1. That the point of delivery of the electrical power and energy which the Company by the said contract agrees to deliver to the Commission shall be at a point on the interprovincial boundary between the Provinces of Ontario and Quebec between Remic Rapids and Lake Deschenes.

2. That the price or rate to be paid by the Commission to the Company for all electrical power and energy delivered to the Commission thereunder shall be according to the following schedule:

\$14.55 per horsepower per annum until such time as the contract demand (not including the excess power under sub-clause (e) of Clause 2 of the said agreement reaches Eighty thousand horsepower (80,000 H.P.).

\$14.50 per horsepower per annum from the time when such contract demand (not including the excess power under sub-clause (e) of Clause 2 of the said agreement) reaches Eighty thousand horsepower (80,000 H.P.) until it reaches one hundred thousand horsepower (100,000 H.P.).

\$14.45 per horsepower per annum from the time the contract demand (not including the excess power under sub-clause (e) of Clause 2 of the said agreement) reaches one hundred thousand horsepower (100,000 H.P.) to the end of the contract.

In addition thereto the Commission shall pay to the Company Thirty cents (30c) per horsepower per annum for all of the said electrical power or energy taken by the Commission at or near the Western boundary of the City of Ottawa, in the County of Carleton; Further, the Commission agrees that it will take at or near the Western boundary of the City of Ottawa not less than twenty-five per cent. (25%) of the contract demand under the said contract, and to the extent that the power and energy taken by the Commission at or near the Western boundary of the said City of Ottawa shall be less than twenty-five per cent. (25%) of the contract demand the Commission shall pay to the Company thirty cents (30c) per horsepower per annum on the amount of such deficiency. The rates hereby fixed are in lieu of the rates provided to be paid in and by the said contract and constitute an exact and agreed equivalent of the said rates having regard to the variation in the said contract hereby made.

3. The power and energy delivered under the said contract as hereby varied shall be measured as at the said interprovincial boundary.

4. The Company shall pay to the Commission the sum of Thirty Thousand Dollars (\$30,000.00) per annum payable monthly during the period of five years from the 1st day of October, 1928, or until the construction by the Commission of a second circuit or transmission line for the transmission of the said power and energy by the Commission within the Province of Ontario, whichever shall be the later date, and thereafter shall pay to the Commission the sum of Sixty Thousand Dollars (\$60,000.00) per annum payable monthly during the remainder of the period of forty years from the 1st day of October, 1928, mentioned in the said contract; such monthly payments shall be made on the 20th day of each month commencing with the 20th day of November, 1928, and the last payment on the 20th day of October, 1968; And the Company shall be relieved of all obligations under the said contract

for the construction, maintenance and operation of transmission lines and communication systems within the Province of Ontario under the said contract. The Commission shall complete the first circuit or transmission line on or before the 1st day of October, 1928.

5. In case the Commission shall desire to renew the said contract as hereby amended and shall give to the Company notice of intention to renew the said contract at least five years prior to the 1st day of October, 1968, and shall pay to the Company the sum of Five Thousand Dollars (\$5,000), the Company shall renew the said contract upon the same terms as provided in the said contract as amended hereby (except as hereinafter provided and) except as to rates for power for such period or periods not exceeding forty years in all as the Company may at the time of such notice or at any time or times thereafter be entitled to generate electric power and energy from the power developments from which the power and energy shall have been supplied under the said contract; said rates for power and energy shall unless the parties agree be determined by arbitration in the same manner as is provided by the said contract for the determination of disputes thereunder.

The said contract if renewed shall not include any obligation upon the Company to pay any sums whatever as provided in paragraph 4 hereof.

6. The Company shall with this Agreement deliver to the Commission the undertaking of the Canadian Hydro Electric Corporation, Limited, for the due performance of this Agreement and the said contract by the Company which undertaking shall be in the following form:

Hydro-Electric Power Commission of Ontario,
190 University Avenue,
Toronto, Ontario.

Dear Sirs:

We hand you herewith an agreement between you and Gatineau Power Company and supplementary agreement.

1. Gatineau Power Company will perform its obligation under the said agreements and in default thereof we will perform the obligations under the said agreements; provided that you and Gatineau Power Company may alter and vary the terms of the said agreements, or dispense with one or more of them, and that you may in your discretion at any time or times take and receive from Gatineau Power Company any security whatsoever and grant any extension of time thereon or on any liability of Gatineau Power Company; and provided further that neither we nor Gatineau Power Company shall be released from any liability hereunder, or any such liability in any way affected by any such alteration or variation in or dispensing with any of the said agreements, or by such taking or receiving of security, or extension of time, or by any dealing or transaction or forbearance which may take place between you and Gatineau Power Company; and you shall not be required to give us any notice thereof or of any default by Gatineau Power Company.

2. We will substitute a more formal guarantee for this guarantee if you so request.

It is understood that our liability hereunder will terminate and you will give us a formal discharge hereunder whenever the ability of Gatineau Power Company to discharge its obligations under the said agreements has been demonstrated to your satisfaction or the fulfilment of the agreements by the Company has been otherwise secured or guaranteed to your satisfaction.

Yours very truly,

CANADIAN HYDRO ELECTRIC CORPORATION, LIMITED

.....
President.

.....
Secretary.

Accepted and agreed to.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

.....
Chairman.

.....
Secretary.

7. The Company shall not be liable for any partial or total failure to deliver electrical power or energy under the said contract as hereby amended which is wholly due to the act of the Province of Quebec.

In witness whereof, the parties hereto have caused this Agreement to be executed under their corporate seals and the hands of their duly authorized officers.

"I.B.L."

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO.

Corporate Seal
of Commission.

"C. A. MAGRATH,"
Chairman.

"W. W. POPE,"
Secretary.

GATINEAU POWER COMPANY.

Corporate Seal
of Company.

"A. R. GRAUSTEIN,"
President.

"F. G. SIMONS,"
Secretary.

"Approved

"GEO. H. KILMER"

"G. T. CLARKSON"

"F. A. GABY"

"G.G.G.

"J.L.M. (6 sheets)"

"Approved
"G.T."

SCHEDULE "C"

BETWEEN:

THE HYDRO-ELECTRIC POWER COMMISSION

—AND THE—

BEAUHARNOIS LIGHT, HEAT AND POWER COMPANY

1. AGREEMENT, AS OF 29TH OF NOVEMBER, 1929.

1

This Indenture made in duplicate this twenty-ninth day of November, A.D. 1929.

BETWEEN:

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO,
hereinafter called the "Commission,"

Of the First Part;

—and—

BEAUHARNOIS LIGHT, HEAT AND POWER COMPANY,
a Quebec Corporation, hereinafter called the "Company,"

Of the Second Part.

Whereas the Commission, acting under *The Power Commission Act*, R.S.O. 1927, Chapter 57, and Amendments thereto, is authorized to enter into an agreement for a supply of electrical power and energy to the Commission:

And whereas the Company is duly incorporated by Statutes of the Legislature of the Province of Quebec, for the purpose of the production and sale of electrical power and energy and is prepared to sell and deliver electrical power and energy to the Commission;

Now therefore this Indenture witnesseth that for the considerations herein contained, the Parties hereto covenant, promise and agree as follows:

1. The Company Agrees:—

(a) To keep available for delivery to the Commission and deliver to the Commission, when and as required by the Commission, commencing on the First day of October, 1932, and thereafter so long as this Agreement shall continue in force, Thirty-five Thousand Horsepower (35,000 H.P.) of electrical power and energy on the conditions herein contained; Thirty-five Thousand Horsepower (35,000 H.P.) shall be the contract demand until such contract demand is increased, as provided in sub-clause (b) next following:

1. (b) To keep available for delivery to the Commission and deliver to the Commission, when and as required by the Commission, commencing on the First day of October, 1933, and thereafter so long as this Agreement shall continue in force, an additional Forty Thousand Horsepower (40,000 H.P.) of electrical power and energy on the conditions herein contained, making a total contract demand of Seventy-five Thousand Horsepower (75,000 H.P.) until such contract demand is increased, as provided in sub-clause (c) next following:

1. (c) To keep available for delivery to the Commission and deliver to the Commission, when and as required by the Commission, commencing on the First day of October, 1934, and thereafter so long as this Agreement shall continue in force, an additional Fifty-four Thousand Horsepower (54,000 H.P.) of electrical power and energy on the conditions herein contained, making a total contract demand of One Hundred and Twenty-nine Thousand Horsepower (129,000 H.P.) until such contract demand is increased, as provided in sub-clause (d) next following:

1. (d) To keep available for delivery to the Commission and deliver to the Commission, when and as required by the Commission, commencing on the First day of October, 1935, and thereafter so long as this Agreement shall continue in force, an additional Sixty-seven Thousand Horsepower (67,000 H.P.) of electrical power and energy on the conditions herein contained, making a total contract demand of One Hundred and Ninety-six Thousand Horsepower (196,000 H.P.) until such contract demand is increased as provided in sub-clause (e) next following:

1. (e) To keep available for delivery to the Commission and deliver to the Commission, when and as required by the Commission, commencing on the First day of October, 1936, and thereafter so long as this Agreement shall continue in force, an additional Fifty-four Thousand Horsepower (54,000 H.P.) of electrical power and energy on the conditions herein contained, making a total contract demand of Two Hundred and Fifty Thousand Horsepower (250,000 H.P.), which shall constitute the maximum contract demand under this Agreement.

1. (f) In the event of the diversion of water by the Company being measured not by maximum, but by daily average, or otherwise, then to deliver to the Commission, whenever required by the Commission, subject to Clause 2 and Clause 5, electrical power to the extent that such average or other method of measurement will permit, but only pro rata to the total power developed by the Company at Beauharnois Station up to a maximum of Fifteen per cent. (15%) over the then contract demand without increasing the then contract demand, or without increasing the obligation of the Company to install spare equipment specified in Clause 1 (g), or any obligation of the Commission to pay under this Agreement.

1. (g) To install at its Beauharnois Power Development, sufficient equipment and spare equipment to insure fulfillment at all times of the terms of this Agreement, and for this purpose the Company shall provide excess or spare capacity, so that at all times the ratio of total capacity to contract demand shall be not less than One Hundred and Fifteen per cent. (115%).

2. (a) The power and energy delivered hereunder shall be alternating, three-phase, having a controlled average periodicity of twenty-five (25) cycles per second, and a pressure between phase wires not exceeding the commercial maximum voltage of approximately Two Hundred and Forty Thousand Volts (240,000 V.) subject to a reduction from time to time as the Commission may direct of not over Fifteen per cent. (15%) from the determined maximum voltage, and the equipment and apparatus installed by the Company in its Plants shall be suitable for operation to maintain this condition; the Company shall maintain under normal operating conditions, the generator voltage within Two per cent. (2%) of the generator voltage corresponding to the voltage directed by the Commission as aforesaid, and shall install suitable equipment and apparatus for such purposes.

2. (b) Whenever the Commission shall require, from time to time, the Company shall increase or decrease the voltage and frequency of its Plant or Plants, within safe operating limits of the then existing equipment of such Plant or Plants to the extent required by the Commission, in order to insure operation satisfactory to the Commission in parallel with the other sources of supply. It is understood and agreed that in operation of Plants in parallel, the control of power factor and delivery of power in any generating Plant, is, to a large extent within the control of the operators in that Plant, and the Company agrees, so far as it can do so with its equipment installed, to operate its Plant so as to maintain power factor at its point of measurement to the Commission, and, also the delivery of power within the limits directed by the Commission, from time to time, provided that by so doing, it shall, if, and to the extent necessary, be relieved from its obligations as to voltage and frequency regulation specified in Clause 2 (a):

2. (c) The Commission shall be entitled to the contract demand up to a maximum weekly load factor of Eighty-five per cent. (85%) thereof, and no more; that is to say, that during each week after October 1st, 1932, so long as this Agreement shall remain in force, the Commission shall be entitled, subject to the provisions of Clause 5, to receive such electrical energy as it shall require not in excess of One Hundred and Six and Fifty-three Hundredths Kilowatt-hours (106.53 kw.h.) for each horsepower of contract demand.

On Sundays and holidays the Commission, at the request of the Company, shall take not less than Three (3) Kilowatt-hours for each horsepower of contract demand; On Saturdays the Commission, at the request of the Company, shall take not less than Seven (7) Kilowatt-hours for each horsepower of contract demand.

In the event of any change in the contract demand occurring other than at the beginning of a week, the Commission shall be entitled to receive the same number of kilowatt-hours for each horsepower of contract demand each day for the remainder of the week as were received for each horsepower of contract demand during the corresponding days of the last preceding week.

A week for the purposes of this Agreement shall commence at such time during the calendar week as the Commission shall give notice in writing to the Company.

2. (d) The maximum amount of the electrical power or energy delivered by the Company at any time when the ratio of the kilowatts to the kilovolt amperes is less than Eighty-five per cent. (85%), shall be Eighty-five per cent. (85%) of the kilovolt amperes considered as true power or kilowatts.

2. (e) In the application of the provisions of this Agreement, the Company shall be entitled to the same credit for horsepower and kilowatt-hours held available for the Commission, but not taken by the Commission, as if the same had been taken by the Commission, and except as provided in Clause 5, no failure by the Commission to provide the necessary transmission and other facilities to receive such power, and no failure to use the same, shall relieve the Commission from any of its obligations to make the full amount of payment herein specified to be made by it. For all purposes of this Agreement, the Company shall be considered to have held available for the Commission in each week, all the horsepower and kilowatt-hours to which the Commission was entitled in that week, unless the Company fails to have available the power which the Commission is entitled to and asks for under the provisions of this Agreement and the Commission complains of such failure at the time, and unless within Fourteen (14) days, or other time agreed upon, after the end of that week, the Commission shall have given to the Company written notice of the fact and approximate amount of the deficiency.

2. (f) If the Commission shall inadvertently take in any week, more kilowatt-hours than it is entitled to take in such week, the Commission will, upon request from the Company, adjust the matter by making a corresponding reduction in its takings in the next following three week period thereafter; always provided that the Company, so far as practicable, regulates the rate of delivery of power and the kilowatt-hours from time to time as the Commission may direct, as provided herein. But if, after receipt of such request from the Company, the Commission shall not during such three week period make good such excess taking and correspondingly reduce its takings during such three week period, then the Commission shall pay the Company for any excess energy so taken and not made good, as aforesaid, at twice the contract kilowatt-hour rate, which rate is a penalty rate and is not to be considered as giving the Commission the right to take intentionally excess energy.

2. (g) Because of the fact that the high voltage circuits involved in this Agreement will be physically connected and operated in parallel with those from other power sources, and because of the magnitude and nature of the systems involved, it is necessary that the Commission and the Company co-operate.

The Commission and the Company will co-operate in respect of all matters of common interest, including without limiting the generality of the foregoing, design of plant and equipment, and design of control, protective communication and other features, which necessitate similar or co-ordinated equipment.

The Commission and the Company shall install only first-class modern equipment, of such characteristics and type as are best suited for the service intended, and shall, from time to time, make such commercially reasonable changes in, or additions to said equipment (other than major equipment) as will best serve to maintain the system as a whole, in accordance with good practice in the art as developed from time to time.

The Commission and the Company shall each be entitled to the final decision in respect of the design of its own plant and property, other than such features thereof as necessitate similar or co-ordinated equipment at the plant of each party as aforesaid; in the event of the Commission or the Company exercising such right of final decision, then the Commission or the Company, as the case may be, shall be responsible for the suitability for the purpose intended of plant or equipment constructed according to the design selected by it.

The Commission and the Company shall exercise all due skill and diligence, so as to secure the satisfactory operation as a system of the plant, apparatus and property of both the Commission and the Company, including, without limiting the generality of the foregoing, parallel operation, voltage, power factor and any problems which may arise in connection with the use of the high voltage specified and length of lines contemplated.

3. The Commission Agrees:

(a) To pay to the Company, in monthly payments for all power and energy under this Agreement, at the rate of Fifteen Dollars (\$15.00) per annum per horsepower of the contract demand, as follows:—

Forty-three Thousand Seven Hundred and Fifty Dollars (\$43,750.00) per month from 1st October, 1932, until 1st October, 1933;

Ninety-three Thousand Seven Hundred and Fifty Dollars (\$93,750.00) per month from 1st October, 1933, to 1st October, 1934;

One Hundred and Sixty-one Thousand Two Hundred and Fifty Dollars (\$161,250.00) per month from 1st October, 1934, to 1st October, 1935;

Two Hundred and Forty-five Thousand Dollars (\$245,000.00) per month from 1st October, 1935, to 1st October, 1936;

Three Hundred and Twelve Thousand Five Hundred Dollars (\$312,500.00) per month, from 1st October, 1936, and thereafter so long as this Agreement shall continue in force.

The amount of Dollars per month is obtained by multiplying the amount of the then contract demand, as determined in Clause 1 hereof, by one and one-quarter ($1\frac{1}{4}$); the said monthly payments being subject always to adjustment, as in this Agreement provided.

3. (b) To make all the payments to be made by it under this Agreement in lawful money of Canada, by depositing the same to the credit of the Company at such Bank or other place in the City of Toronto, in the Province of Ontario, as the Company may, from time to time, designate, and to pay the said monthly payments to the Company on the Twentieth day of each calendar month for the accrual of the preceding calendar month, the Company to render the bill on or before the tenth day of the month, provided that, if any bill remains unpaid on the Twentieth of the month in which it is rendered, the Commission shall thenceforth be in arrears for said payment, and all payments in arrears shall bear interest at the rate of six per cent. (6%) per annum; provided, further, that if the Commission or the Company be entitled to any adjustment in respect of any such payment, such adjustment shall be given effect to in the monthly payment falling due next after the determination thereof, and no portion of any monthly payment shall be postponed pending determination of any such adjustment except if and to the extent that any decision or determination on such adjustment (even though under appeal) shall have held the Commission entitled to the adjustment; every such adjustment shall include interest at the said rate of six per cent. (6%) per annum on the amount allowed from the twentieth day of the month in respect to which such adjustment is allowed.

3. (c) At all times to take and use the electrical power in such manner that the current will be equally taken from the three phases, and in no case shall the difference in current between any two phases be greater than five per cent. (5%). If such difference be greater than five per cent. (5%) the Commission upon instructions from the Company shall so adjust its load as to comply with these requirements.

3. (d) At all times to take and use the power and energy set out in Clauses 1 (a), 1 (b), 1 (c), 1 (d), 1 (e) and 1 (f) hereof so as not to exceed the weekly takings, as specified in Clause 2 (c) herein.

4. (a) The measurement of electrical power and energy under this Agreement shall be made by means of suitable polyphase recording demand meters and integrating kilowatt-hour meters satisfactory to the Commission provided and installed by the Company, and so arranged as to measure and record accurately the said power and energy respectively. Readings from the said kilowatt-hour meters shall be taken daily at the same hour, and recorded by the Company on forms supplied by the Commission. Records from the said recording demand meters and the said integrating kilowatt-hour meters shall be dated and forwarded promptly by the Company to the Commission and such records on file with the Commission shall be available to the Company for inspection at all reasonable times.

4. (b) The power delivered and the demand in horsepower or either of them for the purpose of this Agreement shall be the integrated amount of power for twenty (20) consecutive minutes as determined from coincident readings of the above mentioned polyphase recording demand meters, provided that nothing in this sub-clause shall be construed as increasing any obligation of the Company under Clause 1 or the obligation of the Commission to pay under this Agreement.

4. (c) The weekly taking of the energy shall be determined from the weekly readings of the said integrating kilowatt-hour meters.

4. (d) The power and energy covered by this Agreement shall be delivered at approximately two hundred and forty thousand volts (240,000 V.), subject to Clause 2 as hereinbefore mentioned at the boundary between the Provinces of Ontario and Quebec, not further than five miles from Lake St. Francis, and the Company shall install the suitable and necessary transformers and transmission lines with circuits all of a number, type and capacity approved

by the Commission. All electrical power and energy supplied under this Agreement, shall be measured at the two hundred and forty thousand (240,000) volt step-up transformers at the Company's Beauharnois Station on the generator voltage side thereof, and no adjustment of such measurement shall be made for the loss in single step transformation from generator to transmission voltage (approximately 240,000 volts) nor for transmission loss to the point of delivery; the said transformer loss and said transmission loss at the said voltage from the transformer station to the point of delivery having already been allowed for, provided that if for any reason the measuring instruments are connected at other than the said point their readings shall be subject to a correction and shall be corrected to give results such as would be obtained by instruments connected at the said point.

The Company will provide a suitable communication system between its plants and the point of delivery.

4. (e) Access to said measuring instruments and transformers belonging to the Company shall be free to the Commission at any and all times, and the Commission may test such measuring instruments and transformers at any reasonable time in the presence of a representative of the Company, by giving to the Company seven (7) days' previous notice in writing of its desire to test such measuring instruments.

4. (f) Measuring instruments with the necessary current and potential transformers for the measurement of electrical power and energy hereunder shall be provided, installed and maintained by the Company satisfactory to the Commission.

The Company agrees to test each meter installed by it to measure the electric power and energy or either of them contracted for hereunder at least once in sixty (60) days; the Commission shall be advised at least five (5) days before the day of the test so it may, if it so desires, have a representative present to witness and verify such test; at any time the Commission notifies the Company that it believes that such meters, or any of them, are not within the closest practicable agreement with perfect accuracy, such meter or meters shall be jointly tested within five (5) days of the receipt by the Company of the said notice; if any meter shall be found on regular or special test to be inaccurate, it shall be promptly adjusted and the record of its readings taken since the last prior test and all bills affected shall be corrected; the Company shall repair and replace or retest defective meters or measuring equipment within a reasonable time; during any time there is no meter in service it shall be assumed that the energy consumed is the same as for the other days of the same month on which a similar load existed.

4. (g) The Commission may, from time to time at its option, install duplicate measuring equipment including necessary current and potential transformers at the points of measurement for the purpose of checking records obtained from the Company's measuring equipment or for any other purpose.

4. (h) The Company shall be responsible for any damage to property or apparatus furnished by the Commission for the purpose of supplying or measuring power or energy hereunder, and installed on the Company's property, provided such damage originates from a source external to the said apparatus of the Commission and is not due to defects in the apparatus of the Commission.

4. (i) The kilowatts, kilovolt amperes, kilowatt-hours and all other factors and quantities or any of them, shall be determined directly or indirectly from the measuring equipment provided for in this Clause 4, and the standards of the University of Toronto or of the recognized national authority, if there be such generally accepted, shall be used as the final reference as to the accuracy of the measuring equipment.

5. (a) Subject to the direction of the Commission, as provided in Clause 2, the maintenance by the Company of approximately the agreed voltage at the agreed frequency at the point of delivery, together with the ability of the Company to meet the requirements of the Commission under this Agreement shall constitute the delivery of power and energy involved in this Agreement.

5. (b) In case the Company shall at any time or times be prevented from delivering, or the Commission from receiving the said power and energy, or either of them, or any part thereof, by strikes, riots, fire, invasion, explosion, act of God, the King's enemies, or any other similar cause or causes reasonably beyond the control of them or either of them, then to the extent of such prevention the Company shall not be bound to deliver and the Commission shall not be bound to pay for such power and energy during such time.

Each party shall be prompt and diligent in removing the cause of such interruption (and to this end shall in advance of any such interruption provide a reasonable reserve of spare parts and apparatus) and as soon as the cause of such interruption is removed, the Company shall, without any delay, deliver said power and energy, as aforesaid and the Commission shall pay for the same.

5. (c) The Company shall have the right at reasonable times and when possible, after due notice has been given to the Commission, to discontinue or reduce to the extent necessary,

the supply of power and energy to the Commission for the purpose of safeguarding life or property or for the purpose of making repairs, renewals, or replacements to the generating, transforming or transmitting equipment of the Company, but all such interruptions, total or partial, shall be of a minimum duration, and, when possible, arranged for at times least objectionable to the Commission.

During such interruptions or reductions, the Commission shall be released from its obligations to pay for such power and energy, or either of them, as the Commission is entitled to receive, and the Company fails to deliver, or to hold available for the Commission.

5. (d) In case of the failure of the Company in any week to have available, as set forth in Clauses 1 and 2, the full amount of electrical power and energy to which the Commission is entitled hereunder in such week, there shall be a proportionate reduction in the sums payable by the Commission to the Company in respect of such week.

5. (e) The amount of reduction in the sums payable by the Commission to the Company for any week, or the amount which under Sub-clauses (b), (c) or (d) of this Clause 5, the Commission is not required to pay to the Company in any week shall be calculated in the following manner:

For energy, the amount accrued due from the Commission to the Company during such week shall be reduced by a sum having the same ratio to such accrued amount as the number of kilowatt-hours which the Company fails to have available as aforesaid bears to 106.53 times the then contract demand in horsepower.

For power, the amount accrued due from the Commission to the Company during such week shall be reduced by a sum having the same ratio to such accrued amount as the deficiency (that is, the average number of horsepower of electrical power which the Company fails to have available) averaged for the week bears to the then contract demand in horsepower, the said deficiency shall be determined as follows: For each total or partial interruption the average amount of deficiency below the contract demand shall be taken and then all the deficiencies both as to amount and length of time shall be averaged for the week in proportion to the total hours for the week, that is, the said deficiency shall be the sum total of all deficiencies during the week in horsepower hours divided by the total number of hours in the week.

All such reductions shall be adjusted on the monthly bills in each case for the full weekly periods terminating within the month for which the adjustment is made; provided that if, during the week including such period, the load factor of the electrical energy delivered to the Commission exceeds eighty-five per cent. (85%) of the contract demand (as reduced by such average number of horsepower of electrical power which the Company fails to have available when required by the Commission throughout such week), the Commission shall credit on the reduction, a rateable payment for the excess kilowatt-hours; the Commission shall be entitled to only one reduction in respect of any one failure, such reduction being either in respect of energy or in respect of power, whichever shall be the greater.

No reduction shall be made for power in respect of inadvertent failure of less than an aggregate of twenty minutes in any one week.

5. (f) If any failure of the Company is due to causes within its control (and without limiting the generality of the foregoing words, financial difficulties of the Company shall be deemed to be included therein), the Company, in addition to the reductions under Clause 5, shall pay to the Commission as liquidated damages in respect of every such failure occurring during the first fifteen (15) years after the commencement date, a sum equal to fifty per cent. (50%) of the reduction made in the sums payable by the Commission to the Company, as set out in Clause 3, and thereafter, a sum equal to one hundred per cent. (100%) thereof, which liquidated damages shall be in addition to said reductions. Provided, however, that deficiency in stream flow or any interruption under Clauses (5) (b) or 5 (c) shall not be included in the term "causes within its control," as used in this paragraph.

6. One or more Representatives or Engineers of the Commission designated for this purpose, may, at any reasonable time during the continuance of this Agreement, have access to the premises of the Company for the purpose of inspecting the premises, apparatus, plants, property and electrical and hydraulic records of the Company pertaining to the power development at which the power supplied under this Agreement is generated and to take and obtain records therefrom as required. Representatives of the Company shall have similar rights in respect of the premises, apparatus, plants, property and electrical and hydraulic records of the Commission, pertaining to the power supplied under this Agreement.

7. In case any disagreement, dispute, difference or question shall at any time hereafter arise between the Commission and the Company in respect to the construction of this Agreement or concerning anything herein contained or hereby provided for or arising thereout, or as to the rights, liabilities or duties of the Commission and the Company or either of them, the same shall forthwith be referred to a single arbitrator in case the parties can agree upon one, otherwise to two arbitrators, one to be appointed by each party to the difference, and in either case in accordance with and subject to the provisions of *The Arbitration Act* of the Province of Ontario, Revised Statutes of Ontario, 1927, chapter 97, or any statutory modifica-

tion or re-enactment thereof for the time being in force, and shall be determined in accordance with the laws of the Province of Ontario. The award of the arbitrator or arbitrators shall be final and binding upon the Commission and the Company respectively but either may appeal from the award, and the right to appeal to the Supreme Court of Canada and to the Judicial Committee of the Privy Council shall not be limited by anything herein contained.

8. This Agreement is made subject to the terms of the Company's Emphyteutic Lease of the 23rd June, 1928, from the Government of the Province of Quebec, particularly the provisions of Clause 22 thereof relating to the export of power to the United States, which provisions shall be complied with by the Commission and may be enforced by the Company.

9. The rates to be paid and the payments to be made by the Commission for power as set forth in Clause 3 shall, subject to the provisions of this Agreement, include all compensation to the Company for all taxes, rentals, royalties, licenses, fees and charges that may be levied, assessed or imposed by Dominion, Provincial or municipal or any other authority for or during the term of this Agreement or any part thereof; if, however, while this Agreement shall continue in force, (a) any Dominion or Provincial (but not Municipal) taxes or similar levies not now in existence be created or any now existing be increased, or (b) any Dominion or Provincial rentals or royalties or similar charges for the use of water not now in existence be created or any now existing be increased, in such a manner as to increase the cost to the Company, by reason of these items, of the electrical power and energy kept available for and delivered to the Commission under this Agreement, then in each and any such case, an increase shall be made in the payments by the Commission to the Company hereunder, which shall, after crediting any reduction in any such items, exactly compensate the Company for the increase thereby occasioned, in the cost to the Company of the electrical power and energy kept available for and delivered to the Commission hereunder; provided that in the event of any reduction in any such items the said increase in the payments by the Commission shall be reduced accordingly but not exceeding the total of the increase then in effect; provided that Workmen's Compensation and any rates or charges in respect thereof shall not be deemed a tax for the purpose of this Clause, and the liabilities and obligations of the Commission shall not be in any way increased thereby but the same shall be borne by the Company; the recently authorized educational tax of the Province of Quebec not yet promulgated is not considered as now in existence.

10. This Agreement shall be binding upon both parties hereto upon its execution and shall continue in force until the expiry of a period of forty (40) years, which period shall begin on the first day of October, 1932.

This Agreement may be extended for a further term of forty (40) years upon mutual agreement of the parties hereto.

11. The Commission shall be entitled at any time prior to the expiration of thirty (30) days' notice in writing, from the Company, delivered after the termination of this Agreement and the last extension thereof, to remove from the premises of the Company any and all plant or equipment which may have been installed by the Commission for the supply or measurement of power hereunder.

12. All written notices which are required to be sent hereunder by either party to the other shall be sent by registered letter to such address, or addresses, as each party may from time to time file with the other; the parties agree each to maintain its address on file with the other.

13. This Agreement shall extend to, be binding upon and enure to the benefit of the successors and assigns of the parties hereto.

14. The Company covenants and agrees with the Commission that if at any time hereafter during the continuance of this Agreement the Company should mortgage, hypothecate or charge any of its rights or immovable property which are necessary for the development of power or energy, or any part of such property or rights, to secure bonds or debentures or other securities of like nature, any such mortgage, hypothecation or charge shall be expressly made subject to all covenants, agreements and obligations on the part of the Company in this Agreement contained and shall provide that any sale of the property or rights so mortgaged, or any part thereof, under the provisions of such mortgage shall be made subject to the obligations of the Company in this Agreement contained, and that the mortgaged premises shall not be sold except to a purchaser who shall covenant and agree with the Commission to assume and perform the obligations of the Company in this Agreement contained and in all respects succeed to the position of the Company hereunder; and it is agreed that all the said provisions shall be conditions of every contract mortgaging, hypothecating or charging the immovable property or rights of the Company which are necessary for the development of power or energy, or any part of such property or rights, and shall be expressed therein as stipulations in favour and for the benefit of the Commission.

The Company further covenants and agrees with the Commission that it will not, except by way of mortgage, hypothecation or charge, assign its emphyteutic lease of the 23rd June, 1928, from the Government of the Province of Quebec, or transfer any of its plant or immovable

property necessary to the development of power or energy except to an assignee or transferee who shall covenant and agree with the Commission to assume and perform the obligations of the Company in this Agreement contained and in all respects succeed to the position of the Company hereunder.

In witness whereof the Commission and the Company have caused this Agreement to be executed under their respective Corporate Seals and the hands of their proper officers duly authorized thereto.

SIGNED, SEALED AND DELIVERED

In the presence of

W. G. H.

L. C. C.

THE HYDRO-ELECTRIC POWER COMMISSION
OF ONTARIO.

(Sgd.) C. A. MAGRATH,
Chairman.
(Seal)

Hydro-Electric
Power Commission
of Ontario.

(Sgd.) W. W. POPE,
Secretary.

BEAUHARNOIS LIGHT, HEAT AND POWER
COMPANY.

(Sgd.) R. O. SWEEZEY,
President.
(Seal)

Beauharnois Light,
Heat and Power
Company.
Incorporated 1902

(Sgd.) HUGH B. GRIFFITH,
Secretary.

SCHEDULE "D"

BETWEEN:

THE ONTARIO HYDRO-ELECTRIC POWER COMMISSION

—AND—

CHATS FALLS POWER COMPANY

ALSO KNOWN AS OTTAWA VALLEY POWER COMPANY

1. AGREEMENT, AS OF THE 15TH OF FEBRUARY, 1930, POWER CONTRACT.
2. AGREEMENT, AS OF THE 24TH OF FEBRUARY, 1930, OPERATING AGREEMENT.

1

This Agreement made in duplicate,
the 15th day of February, A.D. 1930

W.W.P.
E.R.P.
M.M.C.
A.G.M.

BETWEEN:

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO,
hereinafter called the "Commission"

of the first part.

—and—

CHATS FALLS POWER COMPANY, a Quebec Corporation,
hereinafter called the "Company"

of the second part.

Whereas the Commission, acting under *The Power Commission Act*, R.S.O. 1927, Chapter 57, and amendments thereto, is authorized to enter into an agreement for a supply of electrical power and energy to the Commission;

And whereas the Company is duly incorporated under the laws of the Province of Quebec with power to produce and sell electrical power and energy;

And whereas the Commission subject to the terms of a lease from the Government of the Province of Ontario is the holder of certain rights for the development of power by and with the use of the waters of the Ottawa River at Chats Falls within the Province of Ontario;

And whereas the Company under and subject to the terms of an Emphyteutic Lease from the Government of the Province of Quebec and by freehold holds all the water power at Chats Falls on the Ottawa River within the Province of Quebec subject to the terms of the said lease and the payment of rental and Royalty except in respect of fifteen thousand horsepower (15,000 H.P.) which the Company holds in freehold as set out in the said lease which is for a term of seventy-five (75) years from the first day of March, A.D. 1926, and was made before Maitre Arthur E. Simard, Notary, of the City of Quebec, on the 22nd day of June, A.D. 1926, under Number 2359.

And whereas the Commission and the Company as owners of the rights aforesaid are co-operating in the joint development of all power available from and with the use of the waters of the Ottawa River at Chats Falls on such Ottawa River within both the Province of Ontario and the Province of Quebec, and have also agreed that the Commission and the Company are each as between themselves entitled to the use of one-half of all waters within the said Provinces which are available or which may hereafter become available for power purposes at Chats Falls on the said Ottawa River.

And whereas the Company is willing on the conditions herein contained to sell and deliver to the Commission all the electrical power and energy which it is entitled to produce from its share of the water as aforesaid and to enter into this Agreement in respect thereto; Subject to withdrawal of any such power and energy for use in the Province of Quebec as provided in the said Emphyteutic Lease and in this Agreement;

Now this Indenture witnesseth that for the considerations herein contained the Parties hereto covenant, promise and agree as follows:

1. The Company agrees:

1. (a) To keep available for delivery to the Commission and to deliver to the Commission when and as required by the Commission on the conditions herein contained at the point of delivery hereinafter mentioned, ninety-six thousand horsepower (96,000 H.P.) of electrical power and energy in two blocks of forty-eight thousand horsepower (48,000 H.P.) each, commencing for the first block on the first day of October, A.D. 1931, hereinafter called the "commencement date," and for the second block on the first day of October, A.D. 1932, and continuing in each case so long as this Agreement shall remain in force, which first block of forty-eight thousand horsepower (48,000 H.P.) shall be the contract demand up to the said first day of October, A.D. 1932, and thereafter the said amount of ninety-six thousand horsepower (96,000 H.P.) shall be the contract demand until such contract demand is increased, as provided in Sub-clause (b) of this Clause 1; the horsepower comprising the contract demand from time to time shall be measured as provided in Clause 4 (b).

1. (b) Whenever from time to time the stream flow of the Ottawa River at Chats Falls proves sufficient for the development of more than one hundred and nine-two thousand horsepower (192,000 H.P.) on the conditions herein contained whether by reason of the installation of additional storage facilities, more efficient operation of the same, increase in head or from any other cause whatsoever, then to keep available for the Commission and deliver to the Commission when and as required by the Commission and on the same conditions and at the same point of delivery all the electrical power and energy beyond the then contract demand which can be produced from the Company's half of the increased amount of water as shall be agreed upon between the Parties as capable of development, and the contract demand shall be correspondingly increased when the said power is available for delivery.

1. (c) To instal equipment having a total rated capacity of one hundred and eight thousand electrical horsepower (108,000 H.P.) for a contract demand of ninety-six thousand horsepower (96,000 H.P.) and from time to time thereafter whenever the contract demand is to be increased as provided in this Agreement, to instal additional equipment so that at all times the ratio of total rated capacity to contract demand shall not be less than one hundred and twelve and a half per cent. (112½%).

1. (d) Subject to Clause 2 and to Clause 5, to deliver to the Commission whenever required by the Commission, electrical horsepower to the extent that water is available up to the maximum available overload and spare capacity specified in Clause 1 (c) without thereby increasing the then contract demand.

2. (a) The power delivered hereunder shall be alternating, three (3) phase, having a periodicity of twenty-five (25) cycles per second and a pressure between phase wires not exceeding the commercial maximum voltage of approximately two hundred and thirty thousand (230,000) volts, subject to a reduction of not over fifteen per cent. (15%) from the determined maximum voltage from time to time as the Commission may direct, and the equipment and apparatus installed by the Company in its plant shall be suitable for operation to obtain this condition, provided, however, that nothing herein shall be construed as obligating the Company to instal apparatus having a capacity in excess of rated capacity at normal voltage; the Company shall maintain the generator voltage under normal operating conditions within

two per cent. (2%) of the generator voltage corresponding to the voltage directed by the Commission as aforesaid and shall instal suitable equipment for such purposes, provided that if the Commission at any time takes power, as provided for in Clause 1 (d) in excess of the contract demand, then the Company shall, during such excess taking, maintain the voltage and frequency as aforesaid as nearly as possible with the equipment then installed.

2. (b) Whenever the Commission shall require, from time to time, the Company shall increase or decrease the voltage and frequency of its plant, within safe operating limits of the then existing equipment of such plant to the extent required by the Commission, in order to insure operation satisfactory to the Commission, in parallel with other sources of supply; it is understood and agreed that in operation of Plants in parallel, the control of power factor and delivery of power in any generating plant is, to a large extent, within the control of the operators in that plant, and the Company agrees, so far as it can do so with its equipment installed, to operate its plant so as to maintain the power factor at its point of measurement, to the Commission, and also to maintain the delivery of power in each case, within the limits directed by the Commission from time to time, provided that by so doing it shall, if and to the extent necessary, be relieved from its obligations as to voltage and frequency regulation specified in Clause 2 (a).

2. (c) The Commission shall be entitled to the contract demand up to a maximum weekly load factor of seventy per cent. (70%) thereof, and no more; that is to say, that during each week after the first day of October, A.D. 1931, so long as this Agreement shall remain in force, the Commission shall be entitled, subject to the provisions of Clause 3 (e) and Clause 5, to receive such electrical energy as it shall require, not in excess of eighty-seven and seventy-three one-hundredths (87.73) kilowatt hours for each horsepower of contract demand, but nothing in this clause shall limit or affect the provisions of Clause 2 (g).

The Commission agrees to so take on all days during the week, at all times of low river flow, a sufficient share of the electrical energy which it is entitled to under this contract in order to prevent wastage of water during Saturdays, Sundays and holidays in such week, which waste water might otherwise have been used within the next week to fulfil the obligations under this Contract; the intent of the foregoing being to secure, at all times of low river flow, the most efficient use of the water to obtain the maximum output of the Plant; for the purposes of this clause, low river flow shall mean that river flow which is in any week insufficient to produce the contract amount of energy for the then contract demand.

In the event of any change in the contract demand occurring other than at the beginning of a week, the Commission shall be entitled to receive the same number of kilowatt-hours for each horsepower of contract demand each day for the remainder of the week as were received for each horsepower of contract demand during the corresponding days of the last preceding week. A week for the purposes of this Agreement shall commence at such time during the calendar week as the Commission shall from time to time specify by notice in writing to the Company.

2. (d) The maximum amount of the electrical power and energy delivered by the Commission at any time when the ratio of the kilowatts to the kilovolt amperes is less than eighty-five per cent. (85%) shall be eighty-five per cent. (85%) of the kilovolt amperes considered as true power or kilowatts.

2. (e) In the application of the provisions of this Agreement, the Company shall be entitled to the same credit for horsepower and kilowatt hours held available for the Commission, but not taken by the Commission, as if the same has been taken by the Commission, and except as provided in Clause 5 (b) no failure by the Commission to take such power and energy, or either of them, shall relieve the Commission from any of its obligations to make the full amount of payment herein specified to be made by it; for all purposes of this Agreement, the Company shall be considered to have held available for the Commission in each week all the horsepower and kilowatt hours to which the Commission was entitled in that week unless the Company fails to have available the power and energy which the Commission is entitled to and asks for under the provisions of this Agreement and the Commission complains of such failure at the time, and unless within fourteen (14) days, or other time agreed upon, after the end of that week, the Commission shall have given to the Company written notice of the fact and the approximate amount of the deficiency.

2. (f) If the Commission shall inadvertently take in any week more kilowatt hours than it is entitled to take in such week, the Commission will, upon request from the Company, adjust the matter by making a corresponding reduction in its takings in the next following three week period thereafter; always provided that the Company so far as practicable, regulates the rate of delivery of power and the kilowatt hours from time to time as the Commission may direct, as provided herein; But if, after receipt of such request from the Company, the Commission shall not during such three week period make good such excess taking and correspondingly reduce its takings during such three week period, then the Commission shall pay the Company for any excess energy so taken at the kilowatt hour rate equivalent to the contract rate per horsepower per year at seventy per cent. (70%) load factor.

2. (g) The Commission upon notice to the Company shall be entitled to take at any time in any week, electrical energy in addition to the kilowatt hours of electrical energy provided in Clause 2 (c), provided that the taking of such additional electrical energy does not require the use of water required for the fulfilment by the Company of its other obligations under this contract or under any contract by which power and energy or either of them, are required to be withdrawn for use in the Province of Quebec; for all additional electrical energy taken under this clause by the Commission the Commission shall pay to the Company at the rate of one mill per kilowatt hour until the first of October, 1941, and thereafter at a rate which shall be adjusted not oftener than every ten (10) years by mutual agreement between the parties hereto; in any event the Commission shall be required to pay under this clause only for such additional electrical energy as the Company is entitled to produce and the Commission is entitled to take as aforesaid; such additional electrical energy shall be determined from the measuring instruments mentioned in Clause 4, except as hereinafter provided in this clause.

If, however, at any time the power house and power house equipment of the Company forming part of the joint development be operated under the same authority and jointly as a single unit with the power house and power house equipment of the Commission forming part of the joint development, then during all times of such joint operation the amount of the said additional electrical energy shall be calculated in the following manner.

From one-half the total electrical energy produced and delivered at Chats Falls in any week measured as provided in Clause 4 shall be deducted, First—all electrical energy, if any, delivered in fulfilment by the Company of its obligations under the Emphyteutic Lease by which electrical power and energy or either of them are required to be withdrawn for use in the Province of Quebec; Second—all electrical energy delivered in fulfilment by the Company of its other obligations under this Agreement.

All the remainder of the said one-half of the total electrical energy shall be the additional electrical energy for which the Commission shall pay under this clause.

If in the course of economical operation of the said separate works of the Company and of the Commission, equipment of either be taken out of use, the equipment of the other shall be used to make up the said maximum weekly load factor of seventy per cent. (70%) before producing any such additional electrical energy.

2. (h) Because of the fact that the high voltage circuits involved in this Agreement will be physically connected and operated in parallel with those from other power sources, and because of the magnitude and nature of the systems involved, it is necessary that the Commission and the Company co-operate, therefore the Commission and the Company will co-operate in respect of all matters of common interest, including without limiting the generality of the foregoing, design of plant and equipment, and design of control, protective, communication and other such features as necessitate similar or co-ordinated equipment at the Plants of each Party.

The Commission and the Company shall instal only first-class, modern equipment of such characteristics and type as are best suited for the service intended, and shall, from time to time, make such commercially reasonable changes in, or additions to such equipment (other than major equipment) as will best serve to maintain the joint undertaking from time to time in a state of operating efficiency equal to that of undertakings of generally similar purpose and size, in accordance with good practice in the art as developed from time to time.

The Commission and the Company shall each be entitled to the final decision in respect of the design of its own separately owned Plant and property other than such features thereof as necessitate similar or co-ordinated equipment at the Plants of each Party as aforesaid and other than the original installation for a total rated capacity, including reserve capacity, of two hundred and sixteen thousand horsepower (216,000 H.P.), and the additional generating equipment, and in the event of the Commission or the Company exercising such right of final decision, then the Commission or the Company, as the case may be, shall be responsible for the suitability for the purposes intended of Plant or equipment constructed according to the design selected by it.

The Commission and the Company shall exercise all due skill and diligence so as to secure the satisfactory operation, as a system, of the Plant, apparatus and property of both the Commission and the Company, including, without limiting the generality of the foregoing, parallel operation, voltage, power factor and any problems which may arise in connection with the use of such high voltage specified and length of lines contemplated.

2. (i) The Commission and the Company will each use its best efforts to obtain the construction at the earliest possible date by the authorities concerned of all works for the better regulating of the flow of the Ottawa River and for providing storage in the Ottawa River watershed which the parties agree are necessary to obtain the fullest possible advantage from the potential development at Chats Falls, and will co-operate in the study and keeping of records of the flow of the Ottawa River at Chats Falls and in the collection of essential data in relation to conditions in the watershed of the Ottawa River bearing on such flow.

2. (j) The Commission and the Company shall co-operate in all reasonable means for providing for the most economic use of the waters of the Ottawa River watershed.

2. (k) This Agreement shall only apply to the use of the water and to the electrical power and energy produced therefrom to which the Company is entitled as aforesaid, namely:— to the use of one-half of the water available for power purposes at Chats Falls and to the electrical horsepower and energy produced from the said one-half of the water.

3. THE COMMISSION AGREES:

3. (a) To pay to the Company in monthly payments for all power and energy under this Agreement at the rate of Fifteen dollars (\$15.00) per annum per horsepower of the contract demand which is a total of sixty thousand dollars (\$60,000.00) per month commencing on the first day of October, A.D. 1931, until the first day of October, A.D. 1932, and thereafter a total amount of one hundred and twenty thousand dollars (\$120,000.00) per month until such time as the contract demand shall have been changed, and after any such change while this Agreement remains in force the amount in dollars per month which is obtained by multiplying the then contract demand by one and one-quarter ($1\frac{1}{4}$), all the payments under this Clause 3 (a) being subject always to adjustment as in this Agreement provided.

3. (b) To pay the Company in monthly payments for any excess kilowatt hours for which payment is to be made under Clause 2 (f) and for any additional kilowatt hours ordered by the Commission under Clause 2 (g); Such monthly payments shall cover any amounts payable for excess or additional energy taken during the full weekly periods terminating within the month for which the payments are made, and a broken week shall be considered as terminating within the following month;

3. (c) To make all payments to be made by the Commission under this Agreement in lawful money of Canada at the office of the Bank of Montreal, at Montreal, and to make all monthly payments to the Company on the twentieth day of each calendar month for the accrual of the preceding calendar month, the Company to render the bill on or before the tenth of the month; provided that if any bill remains unpaid on the twentieth of the month in which it is rendered, the Commission shall thenceforth be in arrears for said payment and all payments in arrears shall bear interest at the rate of six per cent. (6%) per annum; provided, further, that if the Commission or the Company is entitled to any adjustment in respect of any such payment, such adjustment shall be given effect to in the monthly payment falling due next after the determination thereof, and shall include interest at the said rate from the twentieth day of the month in respect to which adjustment is claimed;

3. (d) At all times to take and use the electrical power and energy in such manner that the current will be taken as nearly as possible equally from the three phases and in no case shall the difference in current between any two phases be greater than five per cent. (5%). If such difference be greater than five per cent. (5%) the Commission, upon instructions from the Company, shall so adjust its load as to comply with these requirements.

3. (e) At all times to take and use the power and energy set out in Clauses 1 (a), 1 (b), and 1 (d) hereof, so as not to exceed the weekly takings in kilowatt hours as specified in Clauses 2 (c) and 2(g) herein; provided that the Commission may at any time, but subject to the provisions of Clause 2 herein, increase the electrical horsepower taken in excess of the contract demand, up to the limits of the overload capacity of all the equipment used from time to time by the Company to meet its obligations hereunder, including the spare capacity which the Company is to install under this Agreement, but without thereby increasing the contract demand.

3. (f) To give the Company from time to time such information as it reasonably can regarding its expected requirements in kilowatt hours from the Company, particularly as to any probable reduction in such requirements, for any prospective period of light load. The intent of the Parties in this clause is so far as is possible by reasonable co-operation to secure the most economic use of the waters of the Ottawa River watershed.

4. (a) The measurement of electrical power and energy under this Agreement shall be made by means of suitable polyphase recording demand meters and integrating kilowatt hour meters, provided and installed by the Company and so arranged as to measure and record accurately the said power and energy respectively. Readings from the said kilowatt hour meters shall be taken daily at the same hour and recorded by the Company on forms supplied by the Commission. Records from the said recording demand meters and the said kilowatt hour meters shall be dated and forwarded promptly by the Company to the Commission and such records on file with the Commission shall be available to the Company for inspection at all reasonable times.

4. (b) The power delivered and the demand in horsepower or either of them for the purpose of this Agreement shall be the integrated amount of power for twenty consecutive minutes as determined from coincident readings of the above mentioned polyphase recording demand meters, provided that nothing in this subclause shall be construed as increasing any obligation of the Company under Clause 1 or the obligation of the Commission to pay under this Agreement.

4. (c) The weekly taking of the energy shall be determined from the weekly readings of the said integrating kilowatt hour meters.

4. (d) The power and energy covered by this Agreement shall be delivered at approximately two hundred and thirty thousand (230,000) volts, (subject to Clause 2) as hereinbefore mentioned, at the outgoing two hundred and thirty thousand (230,000) volt transmission line terminus on the transformer station structures which it is contemplated will be near the Commission's generating station; the power and energy supplied under this Agreement shall be measured at the 230,000 volt, step-up transformers at Chats Falls on the generator voltage side thereof, without deducting any transformer loss. Provided that if the transformers are not erected within five hundred feet from the nearest wall of the Commission's generating station then any additional transmission losses between the generating station and the transformers shall be borne by the Commission.

4. (e) Access to said instruments and transformers belonging to the Company shall be free to the Commission at any and all times and the Commission may test such measuring instruments and transformers at any reasonable time in the presence of a representative of the Company, by giving to the Company seven (7) days previous notice in writing of its desire to test such measuring instruments.

4. (f) Measuring instruments with the necessary current and potential transformers for the measurement of electrical power or energy hereunder shall be provided, installed and maintained by the Company satisfactorily to the Commission.

The Company agrees to test each meter installed by it to measure the electrical power and energy contracted for hereunder, at least once in each sixty (60) days; the Commission shall be advised at least five (5) days before the day of the test so they may, if they so desire, have a representative present to witness and verify such tests; at any time the Commission notifies the Company that it believes that such meters, or any of them, are not within the closest practicable agreement with perfect accuracy, said meter or meters shall be jointly tested within five (5) days of the receipt by the Company of the said notice; if any meter shall be found, on regular or special test, to be inaccurate, it shall be properly adjusted and the record of its readings taken since the last prior test and all bills affected shall be corrected; the Company shall repair or replace and retest defective meters or measuring equipment within a reasonable time; during any time there is no meter in service, it shall be assumed that the energy consumed is the same as for other days of the same month on which a similar load existed.

4. (g) The Commission may, from time to time, at its option, install duplicate measuring equipment, including necessary current and potential transformers, at the points of measurement for the purpose of checking the records obtained from the Company's measuring equipment, or for any other purposes.

4. (h) The Company shall be responsible for any damages to property or apparatus furnished by the Commission for the purpose of supplying or measuring power hereunder and installed on the Company's property, providing such damage originates from a source external to the said apparatus of the Commission and is not due to defects in such apparatus or to the operations of the Commission or acts of its employees or to causes reasonably beyond the control of the Company.

4. (i) The kilowatts, kilovolt amperes, kilowatt hours, or any other factors and quantities or any of them, shall be determined directly or indirectly from the measuring equipment provided for in this Clause 4, and the standards of the University of Toronto or of the recognized national authority, if there be any generally accepted as such, shall be used as the final reference as to the accuracy of the measuring equipment.

5. (a) Subject to the direction of the Commission, as provided in Clause 2, and unless prevented from doing so by abnormal operating conditions, in the Commission's system, the maintenance by the Company of approximately the agreed voltage, at the agreed frequency, at the point of delivery, together with the ability of the Company to supply the power and energy under this Agreement, shall prima facie constitute the delivery of power and energy involved in this Agreement, provided, however, that the provision in Clause 2 (a) as to two per cent. (2%) regulation of voltage shall apply only at the points of generation.

5. (b) In case the Company shall, at any time or times, be prevented from delivering, or the Commission from receiving the said power and energy or either of them or any part thereof, by strikes, riots, invasion, act of God, the King's enemies, or any other major disaster reasonably beyond the control of them or either of them, then to the extent of such prevention, the Company shall not be bound to deliver and the Commission shall not be bound to pay for such power or energy during such time.

Each Party shall be prompt and diligent in removing the cause of such interruption (and to this end shall in advance of any such interruption provide a reasonable reserve of spare parts and apparatus), and as soon as the cause of such interruption is removed, the Company shall, without any delay, deliver said power and energy as aforesaid and the Commission shall pay for the same.

5. (c) The Company shall have the right, at reasonable times, and when possible after due notice has been given to the Commission, to discontinue or reduce to the extent necessary, the supply of power and energy or either of them to the Commission for the purpose of safeguarding life or property, or for the purpose of making repairs, renewals or replacements to the generating, transforming, transmitting or other equipment of the Company at Chats Falls, but all such interruptions, total or partial, shall be of a minimum duration, and when possible arranged for at a time least objectionable to the Commission.

If such interruptions or reductions occur at a time when the Commission requires the delivery of such power then the Commission shall be released on a pro rata basis from its obligations to pay for such power and energy or either of them as the Commission is entitled to receive and the Company fails to deliver or to hold available for the Commission during such interruptions or reductions.

5. (d) In case of the failure of the Company for any cause other than those specified in Subclauses (b) and (c) of this Clause 5, to have available as set forth in Clauses 1 and 2, the full amount of electrical power or energy to which the Commission is entitled hereunder in any week, there shall be a proportionate reduction in the sums payable by the Commission to the Company in respect of such week.

5. (e) The amount of reduction in the sums payable by the Commission to the Company for any week or the amount which under Subclauses (b), (c) or (d) of this Clause 5 the Commission is not required to pay to the Company in any week shall be calculated in the following manner:

For energy, the amount accrued due from the Commission to the Company during such week shall be reduced by a sum having the same ratio to such accrued amount as the number of kilowatt hours which the Company fails to have available as aforesaid bears to 87.73 times the then contract demand in horsepower.

For power, the amount accrued due from the Commission to the Company during such week shall be reduced by a sum having the same ratio to such accrued amount as the deficiency (that is, the average number of horsepower of electrical power which the Company fails to have available) averaged for the week bears to the then contract demand in horsepower, the said deficiency shall be determined as follows: For each total or partial interruption the average amount of deficiency below the contract demand shall be taken, and then all the deficiencies both as to amount and length of time shall be averaged for the week in proportion to the total hours in the week, that is, the said deficiency shall be the sum total of all deficiencies during the week in horsepower hours divided by the total number of hours in the week.

All such reductions shall be adjusted on the monthly bills in each case for the full weekly periods terminating within the month for which the adjustment is made; no reduction shall, however, be made in respect of inadvertent failure of less than an aggregate of twenty (20) minutes in any one week; provided that if during the week including such period the electrical energy required by and delivered to the Commission exceed 87.73 kilowatt hours per horsepower of the balance of the contract demand after deducting the average number of horsepower of electrical power which the Company fails to have available throughout the week, the Commission shall credit on the reduction a rateable payment for the excess kilowatt hours, that is to say, such excess kilowatt hours up to the said seventy per cent. (70%) of the contract demand, which is 87.73 kilowatt hours per horsepower of contract demand shall be credited at the rate of 3.28 mills per kilowatt hour and all kilowatt hours taken over the said seventy per cent. (70%) of the contract demand shall be paid for as provided for under Clause 2 (g) of this Agreement; provided further that the Commission shall be entitled to only one reduction in respect of any one failure; such reduction being either in respect of energy or in respect of power whichever shall be greater.

5. (f) The Commission may from time to time with respect to any moneys due to it by the Company under this Agreement satisfy the same by allocating to the payment thereof by way of set-off and retention any other moneys due by it to the Company under any other agreement in force between the Commission and the Company.

6. If any failure of the Company under Clause 5 is due to causes within its control (and without limiting the generality of the foregoing words, financial difficulties of the Company shall be deemed to be within the control of the Company), the Company, in addition to the reductions under Clause 5, shall pay to the Commission as liquidated damages and not as a penalty in respect of every such failure occurring during the first fifteen (15) years after the commencement date, a sum equal to fifty per cent. (50%) of the reduction made in the sums payable by the Commission to the Company, as set out in Clause 3, and thereafter a sum equal to one hundred per cent. (100%) thereof, which liquidated damages shall be in addition to said reductions; provided, however that deficiency in stream flow or any interruptions under Clauses 5 (b) or 5 (c) shall not be included in the term "causes within its control," as used in this paragraph.

7. One or more representatives or engineers of the Commission designated for this purpose may, at any reasonable time, during the continuance of this Agreement, have access to the premises of the Company for the purpose of inspecting the premises, apparatus, plants, property and the electrical and hydraulic records of the Company pertaining to the power developments at which the power supplied under this Agreement is generated, and to take and obtain records therefrom as required; representatives of the Company shall have similar rights in respect of the premises, apparatus, plants, property and electrical and hydraulic records of the Commission pertaining to the power generated by the Commission at Chats Falls.

8. In case any disagreement, dispute, difference or question shall at any time hereafter arise between the Commission and the Company in respect to the construction of this Agreement or concerning anything herein contained or hereby provided for or arising thereout, or as to the rights, liabilities or duties of the Commission and the Company or either of them, the same shall forthwith be referred to a single arbitrator in case the parties can agree upon one, otherwise to two arbitrators, one to be appointed by each party to the difference, and in either case in accordance with and subject to the provisions of *The Arbitration Act* of the Province of Ontario, Revised Statutes of Ontario, 1927, Chapter 97, or any statutory modification or re-enactment thereof for the time being in force, and shall be determined in accordance with the laws of the Province of Ontario. The findings of the arbitrator or arbitrators shall be final and binding upon the Commission and the Company respectively except that either may appeal from, move to set aside, vary or refer back an award as provided in the said *Arbitration Act*, and except that the right to appeal to the Supreme Court of Canada and to the Privy Council or either of them shall not be limited.

9. The Commission and the Company respectively shall be entitled at any time prior to the expiration of thirty days' notice in writing to the opposite party delivered after the termination of this Agreement and any extension thereof to remove from the premises of the other party any and all plant and equipment which may have been installed by it for the supply or measurement of power hereunder.

10. This Agreement is made subject to the restrictions imposed upon the Company under the Company's said Emphyteutic Lease dated the twenty-second day of June, 1926, from the Government of the Province of Quebec. The Commission unreservedly recognizes that this Contract has been entered into by it with the knowledge that the Company may be required to deliver in accordance with the terms of its lease to users in the Province of Quebec as and when required, power developed by the Company and agrees that nothing in this Contract contained can or will derogate from such right and duty on the part of the Company to divert power to users in the Province of Quebec when required in accordance with the terms of the said Lease. The Commission also recognizes particularly the provisions of Clause 9 of the said Lease relating to the export of power to the United States, which provisions shall be complied with by the Commission and may be enforced by the Company.

11. The rates to be paid and payments to be made by the Commission, as set out in Clause 3, shall, subject to the provisions of this clause, include all compensation to the Company for all taxes, levies, rentals, royalties, license fees and charges that may be levied, assessed or imposed by the Dominion, Provincial or Municipal or any other authority for or during the term of this Agreement, or any part thereof; if, however, while this Agreement shall continue in force, (a) any Dominion or Provincial taxes or other similar levies (but not any Municipal taxes nor any income taxes) not now in existence be created or any now existing be increased in rate, or (b) any Dominion or Provincial rentals, royalties, license fees or similar charges for the use of water not now in existence be created, or any now existing be increased in rate in such a manner as to increase the cost to the Company by reason of these items of the electrical power and energy kept available for and delivered to the Commission under this Agreement, then in each and every such case an increase shall be made in the payments by the Commission to the Company hereunder which shall, after crediting any reduction in any such items compensate the Company for the increase thereby occasioned in the cost to the Company of the electrical power and energy kept available for and delivered to the Commission under this agreement. Provided that in the event of any reduction in any such items the said increase in the payments by the Commission shall be reduced accordingly to the extent of the total of the said increase but no more.

Provided further that Workmen's Compensation and any rates or charges in respect thereof shall not be deemed to be taxes for the purposes of this clause and the liabilities and obligations of the Commission shall not, in any way, be increased thereby but the same shall be borne by the Company; the recently authorized educational tax of the Province of Quebec not yet promulgated is not considered as now in existence.

12. This Agreement shall be binding upon both parties hereto upon its execution and shall continue in force for a period of forty (40) years from the said commencement date; if this Agreement be not extended beyond the said period of forty (40) years, then the Commission and the Company shall co-operate for the most efficient and satisfactory use of equipment and facilities common to both parties.

13. In the event that the Company, by reason of the provisions in the said Emphyteutic Lease, is required to withdraw the power covered by this Agreement or any part thereof, for use in the Province of Quebec, and thereby any of the Commission's electrical equipment for purposes of transformation or transmission of the power generated at Chats Falls is rendered idle, in whole or in part, the Company will compensate the Commission therefor to the extent of the moneys which the Commission during the remainder of the period that this Agreement continues in force shall set aside or have to pay to meet interest, insurance, maintenance, protection and proper amortization, on the proportion of the capital cost of such equipment equal to the extent to which such equipment is so rendered idle during the time that the said equipment so remains idle, but the then contract demand shall be reduced by the amount of the power so withdrawn and nothing herein contained shall render the Company liable to the Commission for any loss arising from the Commission being forced to substitute other power for the power so withdrawn.

In the event of the Company being required to withdraw power under the provisions of the said Emphyteutic Lease the Company shall give to the Commission prompt notice in writing to that effect:

14. All written notices which are required to be sent hereunder by either party to the other shall be sent by registered letter to such address, or addresses, as each party may from time to time file with the other; the parties agree each to maintain its address on file with the other.

15. The Company covenants and agrees with the Commission that if at any time hereafter during the continuance of this Agreement the Company should mortgage, hypothecate or charge, in whole or in part, any of its property or rights which are necessary for the development of power or energy at Chats Falls to secure bonds or debentures or other evidences of indebtedness, any such mortgage, hypothecation or charge shall be expressly made subject to all covenants, agreements and obligations on the part of the Company in this Agreement contained; such mortgage, hypothecation or charge shall also expressly provide that no sale of the property or rights so mortgaged, hypothecated or charged, or any part thereof, or for the purpose of enforcing the provisions of such mortgage, hypothecation or charge shall be made, except subject to the said covenants, agreements and obligations and to the condition that the purchaser shall enter into a covenant, agreement and obligation with the Commission to assume and perform the said covenants, agreements and obligations and in all respects succeed to the position of the Company under this Agreement, and it is agreed that all the said provisions shall be conditions of every contract mortgaging, hypothecating or charging, in whole or in part, the property or rights of the Company which are necessary for the development of power or energy at Chats Falls and shall be expressed therein as stipulations in favour of and in trust for the benefit of the Commission. The Commission shall have the right to require the Company or other party granting any such mortgage, hypothecation or charge to enforce such provisions or may itself enforce the same either in its own name or if necessary in the name of such other party.

Before entering into any mortgage, hypothecation or charge as aforesaid the Company or party proposing to grant the same shall submit to the Commission a written draft of a clause or clauses to be included in the said Trust Deed, which clause or clauses shall either be in the language above set forth or be in language framed to afford the protection above provided for; the Commission will, within ten days from the submission of such clause or clauses approve of same or notify in writing any objections thereto; if no objection is offered within the said ten days the clause or clauses shall be taken to be approved, and if any objection is taken in which the mortgaging party does not concur, then the language of the clause or clauses is to be submitted to and approved of by Mr. Eugene Lafleur, K.C., or Mr. Aime Geoffrion, K.C., or Mr. G. H. Montgomery, K.C., or failing any of them by counsel to be named by the Chief Justice of the Superior Court of Quebec at Montreal on summary application if the mortgaging party is in the Province of Ontario then to be submitted to and approved of by Mr. Strachan Johnston, K.C., or Mr. Britton Osler, K.C., or Mr. E. G. Long, K.C., or failing any of them, by counsel to be named on summary application by the Chief Justice of the Supreme Court of Ontario; in either case the decision of such counsel shall be final.

The Company further covenants and agrees with the Commission that it will not, except by way of mortgage, hypothecation or charge as aforesaid, assign its Emphyteutic Lease of the 22nd June, 1926, from the Government of the Province of Quebec, or transfer any of its property or rights necessary to the development of power or energy at Chats Falls other than by way of mortgage, hypothecation or charge as aforesaid, except to an assignee or transferee who shall enter into a contract with the Commission covenanting to assume and perform the obligations of the Company in this Agreement contained and in all respects succeed to the position of the Company hereunder.

16. This Agreement shall extend to, be binding upon and enure to the benefit of the successors and assigns of the parties hereto respectively.

In witness whereof the Parties hereto have caused this Agreement to be executed under their respective corporate seals attested by the signatures of their proper officers duly authorized thereto.

SIGNED, SEALED AND DELIVERED

In the presence of

(SEAL)

A. G. MACKINNON.

(SEAL)

{ THE HYDRO-ELECTRIC POWER COMMISSION
OF ONTARIO.

(Sgd.) C. A. MAGRATH,
Chairman.

(Sgd.) W. W. POPE,
Secretary.

{ CHATS FALLS POWER COMPANY.

(Sgd.) E. R. PARKINS,
President.

(Sgd.) M. M. COX,
Secretary.

2

THIS AGREEMENT made in duplicate This twenty-fourth day of February, A.D. 1931,

BETWEEN:

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO, an
Ontario Corporation, hereinafter called the "Commission,"

OF THE FIRST PART,

—and—

OTTAWA VALLEY POWER COMPANY, formerly known as Chats
Falls Power Company, a Quebec Corporation, hereinafter called
the "Company,"

OF THE SECOND PART.

Whereas the Commission and the Company by Agreement under date the fifteenth day of February, A.D. 1930, hereinafter called the "Joint Development Agreement," have undertaken jointly the development necessary for the utilization of the total power on the Ottawa River at Chats Falls within both the Provinces of Ontario and Quebec, on the basis of each being entitled as between themselves to the ownership, use and benefit of one-half of all the water available for power at such location and are co-operating in all undertakings necessary in order to bring the whole development to completion at an early date and to maintain and operate the same;

And whereas the Commission and the Company have entered into a further Agreement under date the 15th day of February, A.D. 1930, hereinafter called the "Power Contract," for the sale and delivery to the Commission by the Company of the electrical power and energy which the Company is entitled to produce and deliver from the said joint development:

And whereas the Commission and the Company have entered into an agreement under date the 24th day of February, A.D. 1931, hereinafter called the "Transformer Agreement" for the use by the Company and the Commission of a transformer and switching station therein called the "Transformer Station" to be constructed by the Commission in Ontario:

And whereas for the purpose of economic and efficient service it is desirable that the Commission in addition to maintaining and operating its separate works (as defined in the Joint Development Agreement) should also maintain and operate the works of the Company as hereinafter defined, together with the Company's rights in the said transformer station as defined in the said Transformer Agreement:

Now therefore this Indenture witnesseth:

That for the considerations herein contained the parties hereto mutually covenant, promise and agree as follows:

1. The Company hereby appoints the Commission as its Agent for the purpose of this Agreement and authorizes the Commission as such Agent to exercise and use the rights and to

maintain and operate the works of the Company at Chats Falls which are necessary for the delivery of power to the Commission under the said Power Contract, namely:

- (a) All separate works of the Company as defined in the Joint Development Agreement, being:
 - (i) The power house, which term shall not include any intake section necessary for the main dam but shall include every extension of the power house as an additional work;
 - (ii) Power house equipment;
- (b) The Company's interest in and share of the common equipment as defined in the said Joint Development Agreement or as may be mutually agreed upon from time to time;
- (c) The Company's interest and rights in the Transformer Station as defined in the said Transformer Agreement;

all of which power house, equipment, station, interest, rights, and works are hereinafter called the "Company's Works" which term for the purposes of this Agreement is intended to include all property and rights of the Company from the water intake to the point of delivery of power to the Commission at Two Hundred and Thirty Thousand (230,000) volts as mentioned in the said Power Contract.

The above defined works with the word "Commission" substituted for the word "Company" shall for the purposes of this Agreement be called the "Commission's Works."

2. The Commission as such Agent accepts the said appointment and authorization and agrees to maintain and operate the Company's works with skill and diligence without discrimination or favour as between the Commission's works and the Company's works and up to the same standard as the Commission shall maintain and operate the Commission's Works—all subject to the provisions hereinafter contained.

3. The Commission as such Agent shall have, enjoy and exercise all the rights, powers, authorities, privileges and immunities of the Company with respect to the Company's Works for the purposes of maintenance and operation of the same as herein provided, but the Commission shall be under no obligation whatsoever to undertake or continue any services, work or responsibility under this Agreement unless the Company maintain unimpaired its rights and privileges necessary for development of power at Chats Falls and observe and perform all requirements imposed by statute or other proper authority upon the Company, but the Commission shall be under no obligation to see to the maintenance of any rights or privileges of the Company or to the observance or performance of any requirements imposed upon the Company, but shall exercise its best endeavour and judgment to avoid doing any act that would impair the Company's leases and rights.

4. All ordinary maintenance of the Commission's works and the Company's works shall be effected by the Commission without reference to the Company; all renewals, replacements and reconstruction such as rewinding of generators and replacing of water wheels of the Commission's works and the Company's works other than in the Transformer Station shall before being effected be approved by the Company, but such approval shall not be unreasonably withheld.

5. The Commission will operate the Company's works in conjunction with the Commission's works so as to permit as far as possible the fulfilment of the rights and obligations of both parties under the Power Contract.

6. In case the Commission as such Agent shall at any time or times be prevented from operating the Company's works or performing this Agreement or any part thereof by strike, riot, fire, invasion, explosion, hurricane, flood, act of God, or the King's enemies, or any other cause reasonably beyond its control, or by failure of the Company to perform any obligations or requirements imposed upon it, then the Commission shall not be bound to perform its obligations under this Agreement to the extent that the same are interrupted thereby, but the Company shall not be relieved from its liability for the payment of cost under this Agreement; as soon as the cause of such interruption is removed the Commission shall continue to perform its obligations under this Agreement; the Commission shall be prompt and diligent in doing everything in its power to remove and overcome any such cause or causes of interruption; upon request the Company will render any assistance it might reasonably be expected to render.

7. The Company shall at all times have free access to the Company's works and the Commission's works and everything therein contained relating to this Agreement; the Company shall also have access at all reasonable times to all books, accounts and records of the Commission concerning anything under this Agreement.

8. The Commission shall keep records covering all matters of essential importance hereunder and shall furnish each month to the Company a summary thereof in form similar to that in use by the Commission at Toronto, and whenever required by the Company the Com-

mission shall furnish to the Company all reasonable information which may be necessary for the purposes of the Company hereunder and in addition shall at the expense of the Company furnish any special reports concerning any matters which may arise under the terms of this Agreement.

9. The Commission shall establish and maintain records in such form as will show in detail all receipts and expenditures and the costs of all services and work done under this Agreement so that the same may be checked by the Company and distribution of the items therein contained can be determined separately and distinct from all other cost and expenditures incurred and made by the Commission to the extent that this is practicable.

10. All accounts of the Commission hereunder shall be audited at least once in each fiscal year by the auditor of the Commission and may in addition, if the Company shall so require but at the expense of the Company be audited by an auditor appointed by the Company; copies of any reports made by the auditor of either party hereunder shall be furnished to the other party.

11. The Company shall pay to the Commission and the Commission shall accept as full compensation for acting as Agent for the Company and performing the services under this Agreement such sum annually as shall be equal to one-half of the total cost to the Commission of maintenance and operation of both the Company's works and the Commission's works at Chats Falls power plant including the common equipment and the Transformer Station and also of renewing, replacing and reconstructing the Company's works and the Commission's works and common equipment as hereinbefore provided, but expressly excluding renewals, replacements and reconstruction provided for in the Transformer Agreement; which total cost for the purposes of this Agreement shall without limiting the generality of the foregoing include the following items:

(a) All costs of materials, supplies, tools, stores, apparatus, machinery and equipment except those required for renewals, replacements or reconstruction in the Transformer Station as aforesaid, plus five per cent. (5%) of such cost; Provided, however, that when major equipment shall be purchased with or without installation under contract with an equipment company, the percentage to be added to the cost of such equipment including any labour furnished by the equipment company shall be that adopted by the Commission under its general practice in respect to contracts of similar character and shall not in any event exceed five per cent. (5%) of the contract prices for such equipment; provided that where installation is made by the Commission the cost of labour and of engineering and other special services in connection therewith shall be determined as provided in Sub-clauses (b) and (c) of this Clause 11.

(b) All salaries, wages and other remuneration of all persons employed in connection with the services rendered or work done under this Agreement to which shall be added twenty-seven per cent. (27%) thereof (which said percentage shall be included as compensation to the Commission for its office, administration and accounting expenses, pensions and Workmen's Compensation), and in addition thereto the out-of-pocket and travelling expenses of such persons while so employed.

(c) The costs of all special engineering, legal, accounting and other special services rendered by employees and officers of the Commission who shall be not regularly employed hereunder and added thereto fifty per cent (50%) of such costs and in addition the travelling and out-of-pocket expenses of such persons while engaged on such business.

(d) The costs of all engineering, legal accounting and other services other than those mentioned in subclause (b) and (c) of this Clause.

(e) The net cost in each year which shall be incurred by the Commission in maintaining and operating, housing, living and other accommodation for employees, regular or special, engaged on the Commission's works and/or the Company's works; for the purpose of this subclause (e) the cost of maintaining such accommodation shall include interest and amortization at regular Commission rates of the capital cost thereof less any such capital cost already charged to the construction of the Power Development, and expenditures and allowances for insurance, repairs, renewals, taxes and other like charges.

12. The Company shall pay said compensation to the Commission in lawful money of Canada at Toronto on monthly bills, which monthly bills shall be rendered by the Commission to the Company on or before the tenth day of each month and become due and be paid by the Company to the Commission on or before the twentieth day of the said month; such monthly bills shall be mailed by the Commission addressed to the Company at its office in the City of Montreal and if any bill shall remain unpaid after the time when it becomes due the amount thereof shall bear interest at the rate of six per cent. (6%) per annum until paid; the Commission may apply against any such payment in default any money due to the Company by the Commission under the Power Contract or otherwise but failure to apply as aforesaid shall not relieve the Company.

13. In case any claim or claims shall be made against the Commission or the Company in connection with any work done or service rendered under this Agreement by the Commission,

the Commission or the Company as the case may be shall promptly notify the other party thereof; if such claim shall arise in the Province of Quebec the Company shall defend the same; if any such claim shall arise in the Province of Ontario the Commission shall defend the same, and in either case each party shall render to the other all assistance for such purposes; costs and expenses in connection with such claims shall form part of the cost of maintenance and operation under this Agreement as mentioned in Clause 11.

14. Nothing in this Agreement shall relieve the Company or the Commission from any obligation under the said Power Contract, or the said Joint Development Agreement or from any obligation under the Transformer Agreement except as provided in Clause 19 of this Agreement.

15. This Agreement shall come into effect as soon as power is being delivered on commercial load from the Company's works or such earlier date as may be agreed upon and shall continue in force until terminated at any time by the Commission or the Company giving Three (3) months' notice in writing to the other party.

16. If by reason of any lawful authority in the Province of Quebec the Commission be prevented from or hindered in the performance of this Agreement, the Commission shall immediately notify the Company of the same, and from the date of each notification of the Commission shall be relieved from any obligation to perform this Agreement.

17. In case any disagreement, dispute, difference or question shall at any time hereafter arise between the Commission and the Company in respect to the construction of this Agreement or concerning anything herein contained or hereby provided for or arising thereout, or as to the rights, liabilities or duties of the Commission and the Company or either of them, the same shall forthwith be referred to a single arbitrator in case the parties can agree upon one, otherwise to three arbitrators, one to be appointed by each of the parties hereto and the third by these two or in case they cannot agree by a Judge of the Supreme Court of Ontario, and in either case in accordance with and subject to the provisions of *The Arbitration Act* of the Province of Ontario, Revised Statutes of Ontario 1927, Chapter 97, or any statutory modification or re-enactment thereof for the time being in force, and shall be determined in accordance with the laws of the Province of Ontario; the findings of the arbitrator or arbitrators shall be final and binding upon the Commission and the Company respectively except that either may appeal from, move to set aside, vary or refer back an award as provided in the said *Arbitration Act* and except that the right to appeal to the Supreme Court of Canada and to the Privy Council or either of them shall not be limited.

18. Any notice in writing under this Agreement may be given by mailing the same postage prepaid addressed to the party at its office address and shall be deemed to have been given the day following the day of mailing as aforesaid; each party shall keep its post office address on file with the other and such address shall remain the proper address of the party until changed by notice in writing.

19. To the extent necessary to give full effect to this Operating Agreement so long as it remains in force, this Operating Agreement shall take precedence over and supersede the Transformer Agreement and there shall be no duplication of payment for the same service under the two Agreements; but if this Operating Agreement cease to be in force to any extent then to that extent it shall cease to take precedence over or supersede the Transformer Agreement.

20. This Agreement shall extend to, be binding upon and enure to the benefit of the Commission and the Company and their successors and assigns respectively.

In witness whereof the parties hereto have caused this Agreement to be executed under their respective corporate seals attested by the signatures of their proper officers duly authorized thereto.

SIGNED, SEALED AND DELIVERED

In the presence of

(Commission Seal)

(Company Seal)

THE HYDRO-ELECTRIC POWER COMMISSION
OF ONTARIO.

J. R. COOKE,
Acting Chairman.

W. W. POPE,
Secretary.

OTTAWA VALLEY POWER COMPANY,

C. W. ALLEN,
President.

A. G. MACKINNON,
Secretary.

SCHEDULE "E"

BETWEEN:

THE HYDRO-ELECTRIC POWER COMMISSION

—AND THE—

JAMES McLAREN COMPANY LIMITED

1. AGREEMENT, AS OF THE 20TH OF DECEMBER, 1930.
2. AGREEMENT, AS OF THE 14TH OF JANUARY, 1931.

1

This Indenture made in duplicate this 20th day of December, A.D. 1930.

BETWEEN:

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO,
hereinafter called the "Commission"

OF THE FIRST PART,

—and—

THE JAMES MACLAREN COMPANY, LIMITED, hereinafter called the
"Company"

OF THE SECOND PART.

Whereas the Commission, acting under *The Power Commission Act*, R.S.O. 1927, Chapter 57 and Amendments thereto, is authorized to enter into an Agreement for a supply of electrical power and energy to the Commission.

And whereas the Company is duly incorporated under the laws of the Dominion of Canada, with power to produce and sell electrical power and energy, and is proceeding with Hydro-Electric developments for the said purposes in the Province of Quebec.

And whereas the Company is prepared to deliver electrical power and energy to the Commission at the boundary line between the Provinces of Ontario and Quebec from its pending and future developments on its freehold properties at Masson and High Falls, on the du Lievre River, at or near Buckingham, in the Province of Quebec, and is willing to enter into an Agreement with the Commission for such purposes.

Now therefore this Indenture witnesseth:

That for the considerations herein contained, the parties hereto covenant, promise and agree as follows:

1. The Company agrees:

(a) To keep available for delivery to the Commission and deliver to the Commission, when and as required by the Commission, on the First day of July, 1933, and thereafter so long as this Agreement shall continue in force, twenty thousand horsepower (20,000 H.P.) of electrical power or energy on the conditions herein contained; twenty thousand horsepower (20,000 H.P.) shall be the contract demand, until such contract demand is increased as provided in subclause (b) next following:

1. (b) To keep available for delivery to the Commission and deliver to the Commission, when and as required by the Commission, on the First day of July, 1934, and thereafter so long as this Agreement shall continue in force, twenty thousand horsepower (20,000 H.P.) of electrical power or energy on the conditions herein contained, making a total contract demand of forty thousand horsepower (40,000 H.P.) until such contract demand is increased, as provided in subclause (c) next following:

1. (c) To keep available for delivery to the Commission and deliver to the Commission, when and as required by the Commission, on the First day of July, 1935, and thereafter so long as this Agreement shall continue in force, twenty-seven thousand horsepower (27,000 H.P.) of electrical power or energy on the conditions herein contained, making a total contract demand of sixty-seven thousand horsepower (67,000 H.P.) until such contract demand is increased, as provided in subclause (d) next following.

1. (d) To keep available for delivery to the Commission and deliver to the Commission, when and as required by the Commission, on the First day of July, 1936, and thereafter so long as this Agreement shall continue in force, thirty-three thousand horsepower (33,000 H.P.) of electrical power or energy on the conditions herein contained, making a total contract demand of one hundred thousand horsepower (100,000 H.P.) until such contract demand is increased, as provided in subclause (e) next following.

1. (e) To keep available for delivery to the Commission and deliver to the Commission, when and as required by the Commission, on the First day of November, 1936, and thereafter so long as this Agreement shall continue in force, twenty-five thousand horsepower (25,000 H.P.) of electrical power or energy on the conditions herein contained, making a total contract demand of one hundred and twenty-five thousand horsepower (125,000 H.P.) which shall constitute the maximum contract demand under this Contract.

1. (f) Subject to Clause 2 and Clause 5 to deliver to the Commission whenever required by the Commission electrical power to the extent that water is available up to fifteen per cent. (15%) in excess of the then contract demand; such excess power shall not increase the then contract demand and no charge shall be made for its use, but nothing in this clause shall be construed as obligating the Company to deliver more kilowatt-hours of energy per week than the Commission is permitted to take under the provisions of Clause 2 (c).

1. (g) To install at its power developments on the said river sufficient equipment and spare equipment to ensure fulfilment of the terms of this Agreement, and for this purpose to provide excess or spare capacity so that at all times the ratio of total installed capacity to contract demand shall be not less than one hundred and fifteen per cent. (115%).

2. (a) The power delivered hereunder, at the point of delivery shall be alternating, three-phase, and shall have a controlled average periodicity of twenty-five (25) cycles per second, and a pressure between phase wires not exceeding the commercial maximum voltage of approximately two hundred and forty thousand volts (240,000 V.) subject to a reduction from time to time as the Commission may direct of not over fifteen per cent. (15%) from the determined maximum voltage selected by the Commission, and the equipment and apparatus installed by the Company in its plants shall be suitable for operation to maintain this condition; the Company shall maintain, under normal operating conditions, the generator voltage within two per cent. (2%) of the generator voltage corresponding to the voltage directed by the Commission as aforesaid, and shall install suitable equipment for such purposes; the power delivered hereunder shall be commercially continuous, twenty-four (24) hour power, every day in the year except as provided herein.

2. (b) Whenever the Commission shall require from time to time, the Company shall increase or decrease the voltage and frequency of its plant or plants, within safe operating limits of the then existing equipment of such plant or plants to the extent required by the Commission, in order to ensure operation satisfactory to the Commission in parallel with other sources of supply; it is understood and agreed that in operation of plants in parallel, the control of power factor and power delivery in any generating plant is, to a large extent, within the control of the operators in that plant, and the Company agrees so far as it can do so with its equipment installed, to operate its plant so as to maintain the power factor and the delivery of power within the limits directed by the Commission, from time to time.

If by reason of such parallel operation, the Commission shall inadvertently receive electrical power from the Company at a lower power factor than herein provided, or in excess of the amount to which the Commission is entitled under this Agreement, then the Commission shall not be subject to any charge hereunder for such excess taking of power and such excess taking shall not increase the Contract Demand as herein defined or increase the amount of the payment provided for in subclause (a) of Clause 3 and shall not increase or affect, in any way, any obligation of, or impose any obligation upon the Commission hereunder; excepting that the Company may notify the Commission of such excess and thereupon both parties shall exercise all skill and diligence so as to limit to the utmost such excess taking to a minimum amount and to the shortest possible period of time reasonably necessary for the proper adjustment of the power factors and loads among the various generating plants.

2. (c) The Commission shall be entitled to the contract demand up to a maximum weekly load factor of seventy per cent. (70%) based on the then contract demand, that is to say, that during each week after the First day of July, A.D. 1933, so long as this Agreement shall remain in force, the Commission shall be entitled, subject to the provisions of Clause 5, to receive such electrical energy as it shall require not in excess of eighty-seven and seventy-three one-hundredths kilowatt-hours (87.73 Kw. Hrs.) for each horsepower of the then contract demand.

On Sundays and holidays, the Commission, at the request of the Company, shall take not less than three kilowatt-hours (3 Kw. Hrs.) for each horsepower of contract demand; on Saturdays the Commission, at the request of the Company, shall take not less than seven kilowatt-hours (7 Kw. Hrs.) for each horsepower of contract demand.

In the event of an increase in the contract demand occurring other than at the beginning of a contract week, the Commission shall be entitled to receive the same number of kilowatt-hours for each horsepower of contract demand each day for the remainder of the week as were received for each horsepower of contract demand during the corresponding days of the last preceding week.

The Company will provide a suitable communication system between its plants and the point of delivery.

4. (e) Access to said measuring instruments and transformers belonging to the Company shall be free to the Commission at any and all times, and the Commission may test such measuring instruments and transformers at any reasonable time in the presence of a representative of the Company, by giving to the Company seven (7) days' previous notice in writing of its desire to test such measuring instruments.

4. (f) The measuring instruments with the necessary current and potential transformers for the measurement of electrical power and energy hereunder shall be provided, installed and maintained by the Company, all in a manner satisfactory to the Commission.

The Company agrees to test each meter installed by it to measure the electrical power and energy contracted for hereunder at least once in each sixty (60) days; the Commission shall be advised at least five (5) days before the day of the test, so that it may, if it so desires, have a representative present to witness and verify such test. At any time the Commission notifies the Company that it believes that such meters, or any of them, are not within the closest practicable agreement with perfect accuracy, such meter or meters shall be jointly tested within five (5) days of the receipt by the Company of the said notice. If any meter shall be found on regular or special test to be inaccurate, it shall be properly adjusted and the records of its readings taken since the last prior test shall be corrected, and all kilowatt hour readings affected shall be adjusted, all on the basis of the average of progressive inaccuracy. The Company shall repair and replace or retest defective meters or measuring equipment within a reasonable time. During any time there is no meter in service, it shall be assumed that the energy consumed is the same as for other days of the same month on which a similar load existed.

4. (g) The Commission may from time to time, at its option, install duplicate measuring equipment, including necessary current and potential transformers at the points of measurement for the purpose of checking records obtained from the Company's measuring equipment or for any other purpose.

4. (h) The Company shall not be responsible for any damage to property or apparatus furnished by the Commission for the purpose of supplying or measuring power or energy hereunder, or for any other purpose, and installed on the Company's property, unless such damage originates from a source within the control of the Company and external to the said apparatus of the Commission.

4. (i) The kilowatts, kilovolt amperes, kilowatt hours and all other factors and quantities or any of them, shall be determined directly or indirectly from the measuring equipment provided for in this Clause 4; and the standards of McGill University, or of the recognized National authority, if there be such generally accepted, shall be used as the final reference as to the accuracy of measuring equipment.

5. (a) Subject to the direction of the Commission, as provided in Clause 2, the maintenance by the Company of approximately the agreed voltage, at the agreed frequency, at the point of delivery, together with the ability of the Company to supply the power and energy under this Agreement, shall constitute the delivery of power involved in this Agreement.

5. (b) In case the Company shall at any time or times be prevented from delivering, or the Commission from receiving the said power and energy, or either of them, or any part thereof, by strikes, riots, fire, invasion, explosion, act of God, the King's enemies, or any other similar cause or causes reasonably beyond the control of them, or either of them, then to the extent of such prevention, the Company shall not be bound to deliver and the Commission shall not be bound to pay for such power or energy during such time.

Each party shall be prompt and diligent in removing the cause of such interruption (and to this end shall in advance of any such interruption provide a reasonable reserve of spare parts and apparatus), and as soon as the cause of such interruption is removed, the Company shall, without any delay, deliver said power as aforesaid, and the Commission shall pay for the same.

5. (c) The Company shall have the right at reasonable times and when possible, after due notice has been given to the Commission, to discontinue or reduce, to the extent necessary, the supply of power and energy, or either of them, to the Commission for the purpose of safeguarding life or property, or for the purpose of making repairs, renewals or replacements to the generating, transforming, transmitting, or other equipment of the Company, but all such interruptions, total or partial, shall be of a minimum duration, and, when possible arranged for at a time least objectionable to the Commission.

During such interruptions, the Commission shall be released from its obligation to pay for such power and energy as the Commission is entitled to receive and the Company fails to deliver or to hold available for the Commission.

5. (d) In case of the failure of the Company at any time to have available and to deliver as set forth in Clauses 1 and 2, the full amount of the electrical power and energy to which the Commission is entitled under this Agreement, there shall be a proportionate reduction in the monthly sum payable by the Commission to the Company, and, without limiting the generality of the foregoing, any failure of the Company under Sub-clause (b) or Sub-clause (c) of this Clause shall be included as a failure under this Sub-clause (d); the amount of reduction from the amount which would otherwise accrue due from the Commission to the Company during such month shall bear the same ratio to such accrued amount as the average deficiency in horsepower during such month bears to the then contract demand in horsepower; the said average deficiency in horsepower during such month shall be the result determined from dividing the number of hours in the month into the total deficiency in horsepower hours below the Commission's requirements within the contract demand, resulting from all the said total or partial interruptions occurring during the month, as shown by the graphic meter records.

5. (e) If any failure of the Company, as mentioned in Clause 5 (d) is due to causes within the Company's control (any interruptions under Clauses 5 (b) or 5 (c) shall, in no way, be deemed to be in the control of the Company, but financial difficulties shall be deemed to be in the control of the Company), the Company, in addition to the reduction under Clause 5 (d), shall pay to the Commission, as liquidated damages determined beforehand in respect of every such failure, a sum equal to fifty per cent. (50%) of the said reduction until the Thirty-first day of October, A.D. 1947, and thereafter to one hundred per cent. (100%) of the said reduction, and the liquidated damages shall be in addition to the said reductions.

6. One or more representatives or engineers of the Commission designated for this purpose, may, at any reasonable time during the continuance of this Agreement, have access to the premises of the Company for the purpose of inspecting the premises, apparatus, plants, property and electrical and hydraulic records of the Company pertaining to the power developments at which the power supplied under this Agreement is generated, and to take and obtain records therefrom as required.

Representatives of the Company shall have similar rights in respect of the premises, apparatus, plants, property and electrical records of the Commission, pertaining to the power supplied under this Agreement.

7. In case any disagreement, dispute, difference or question shall, at any time hereafter, arise between the Commission and the Company in respect to the construction of this Agreement or concerning anything herein contained, or hereby provided for, or arising thereout, or as to the rights, liabilities or duties of the Commission and the Company, or either of them, the same shall forthwith be referred to a single arbitrator in case the parties can agree upon one, otherwise to two arbitrators, one to be appointed by each party to the difference, and in either case in accordance with and subject to the provisions of *The Arbitration Act* of the Province of Ontario, Revised Statutes of Ontario, 1927, chapter 97, or any statutory modification or re-enactment thereof for the time being in force, and shall be determined in accordance with the laws of the Province of Ontario; the findings of the arbitrator or arbitrators shall be final and binding upon the Commission and the Company respectively, except that either may appeal from, move to set aside, vary or refer back an award as provided in the said *Arbitration Act*, and except that the right to appeal to the Supreme Court of Canada and to the Privy Council or either of them shall not be limited.

8. For all purposes of this Agreement, the electrical power and energy kept available for delivery to the Commission and delivered to the Commission under this Agreement shall be taken only from the electrical power and energy derived or developed from the water power owned by the Company in fee simple at Masson and High Falls on the du Lievre River.

This Agreement is made subject to the conditions lawfully attached by the Government of the Province of Quebec to the approvals of the plans and specifications of the works from which the power and energy delivered hereunder are obtained as to export of power to the United States.

9. The rates to be paid and payments to be made by the Commission for power and energy under this Agreement, shall, subject to the provisions of this Clause, include all compensation to the Company for all taxes, levies, rentals, royalties, license fees and charges that may be levied, assessed or imposed by the Dominion, Provincial or Municipal or any other authority for or during the term of this Agreement, or any part thereof; if, however, while this Agreement shall continue in force, (a) any Dominion or Provincial taxes or other similar levies (but not any Municipal taxes nor any income taxes) not now in existence be created or any now existing be increased in rate, or, (b) any Dominion or Provincial rentals, royalties, license fees or similar charges for the use of water, not now in existence be created, or any now existing be increased in rate, in such manner as to increase the cost to the Company by reason of these items of the electrical power and energy kept available for and delivered to the Commission under this Agreement, then in each and every such case, an increase shall be made in the payments by the Commission to the Company hereunder which shall, after crediting any reduction in any such items, exactly compensate the Company for the increase thereby occasioned in

the cost to the Company of the electrical power and energy kept available for and delivered to the Commission under this Agreement; provided that in the event of any reduction in any such item, the said increase in the payments by the Commission shall be reduced accordingly to the extent of the total of the said increase but no more.

Provided further, that Workmen's Compensation and any rates or charges in respect thereof shall not be deemed to be taxes for the purposes of this Clause and the liabilities and obligations of the Commission shall not in any way be increased thereby but the same shall be borne by the Company; the recently authorized educational tax of the Province of Quebec not yet promulgated shall, for the purposes of this Clause, be regarded as not in existence.

Provided, however, and it is hereby expressly agreed in view of Clause 8 hereof, that all the obligations and liabilities of the Company now existing or which may hereafter arise under or by virtue of two Emphyteutic leases dated respectively the 7th day of November, 1929, and the 5th day of November, 1930, passed before Monsieur Roger Biron and Monsieur Edouard Biron respectively, each of whom is a Notary Public in and for the Province of Quebec and made between the Honourable Honore Mercier, acting in his quality of Minister of Lands and Forests of the Province of Quebec as Lessor, and the Company as Lessee, shall be deemed to have been in existence prior to the date of this Agreement, and that in no event shall any increase be made in the payments by the Commission to the Company or its Assigns under this Agreement, for or in respect of or by reason of any taxes, assessments, tariffs, levies, rentals, royalties, fees, charges or other payments of any kind whatsoever, which are payable or which may hereafter become payable under or by virtue of the said Emphyteutic Leases or either of them, or under any of the provisions contained therein or in any other Provincial Lease or Leases whatsoever.

10. This Agreement shall be binding upon both parties hereto upon its execution, and shall continue in force until the expiry of a period of forty (40) years, which period shall begin on the first day of July, A.D. 1933.

11. The Commission shall be entitled at any time prior to the expiration of thirty (30) days' notice in writing from the Company, delivered after the termination of this Agreement, to remove from the premises of the Company any and all plant or equipment which may have been installed by the Commission for the supply or measurement of power hereunder.

12. All written notices which are required to be sent hereunder by either party to the other shall be sent by registered letter to such address or addresses as each party may, from time to time, file with the other. The parties agree each to maintain its address on file with the other.

13. The Company covenants and agrees with the Commission that if, at any time hereafter, during the continuance of this Agreement, the Company or any assignee or transferee from the Company should mortgage, hypothecate or charge any of its rights, or immovable property, which are necessary for the development of power or energy, or any part of such property or rights, to secure bonds or debentures or other securities of like nature, any such mortgage, hypothecation or charge shall be expressly made subject to all covenants, agreements and obligations on the part of the Company in this Agreement contained and shall provide that any sale of the property or rights so mortgaged, hypothecated or charged, or any part thereof, under the provisions of such mortgage, hypothecation or charge, shall be made subject to the obligations of the Company in this Agreement contained, and that the premises mortgaged, hypothecated or charged shall not be sold except to a purchaser who shall covenant and agree with the Commission to assume and perform the obligations of the Company in this agreement contained, and in all respects succeed to the position of the Company hereunder; and it is agreed that all the said provisions shall be conditions of every contract mortgaging, hypothecating or charging the immovable property or rights of the Company or any assignee or transferee, as aforesaid, which are necessary for the development of power or energy, or any part of such property or rights, and shall be expressed therein as stipulations in favour of, and for the benefit of the Commission.

The Company further covenants and agrees with the Commission that it will not assign or transfer any of its plant or immovable property necessary to the development of power or energy except to an assignee or transferee, which shall covenant and agree with the Commission, in such form and manner as the Commission may require, to assume and perform the obligations of the Company in this Agreement contained; any such assignment or transfer shall not relieve the Company from any of its said obligations, and the Company will, if required by the Commission, execute and deliver to the Commission its guarantee in such form as the Commission may require for the full performance of this Agreement by such assignee or transferee.

14. This Agreement shall extend to, be binding upon and enure to the benefit of the successors and assigns of the parties hereto, subject to the consent in writing of the Commission to any assignment other than an assignment to an assignee that shall have complied with Clause 13.

In witness whereof the parties hereto have caused this Agreement to be executed under their Corporate Seals, attested by the signatures of their proper officers duly authorized thereto.

WITNESS:

L. C. CHRISTIE.

Recommended:

Dec. 20, 1930.

(Sgd.) R. T. JEFFERY,
Engineering Dept.

Dec. 10, 1930.

(Sgd.) W. GEORGE HANNA,
Legal Dept.

Approved:

Dec. 20, 1930.

(Sgd.) I. B. LUCAS,
Gen. Solicitor.

Dec. 20, 1930.

(Sgd.) F. A. GABY,
Chief Engineer.

THE HYDRO-ELECTRIC POWER COMMISSION
OF ONTARIO.

(Sgd.) C. A. MAGRATH,
Chairman.

(Sgd.) W. W. POPE,
Secretary.

(Seal) HYDRO-ELECTRIC POWER COMMISSION
OF ONTARIO.

THE JAMES MACLAREN CO., LIMITED,

(Sgd.) ALBERT MACLAREN,
President.

Secretary.

(Seal) THE JAMES MACLAREN COMPANY,
LIMITED, 1900.

T.H.H.

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THIS AGREEMENT made in triplicate this 14th day of January, A.D. 1935.

BETWEEN:

THE JAMES MACLAREN COMPANY LIMITED, herein called the
"MacLaren Company"

OF THE FIRST PART,

MACLAREN-QUEBEC POWER COMPANY, herein called the
"Power Company,"

OF THE SECOND PART,

—and—

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO, herein called the
"Commission,"

OF THE THIRD PART.

Whereas by an Indenture dated the Twentieth day of December, A.D. 1930, the MacLaren Company therein called the "Company," entered into a contract with the "Commission" therein called the Commission, for the sale of power to the Commission, and also on the same date the Commission gave to the Company a letter supplementary to the said contract, the said contract and supplementary letter being herein referred to as the "Power Contract."

And whereas in the said power contract it was provided as follows:

"The Company further covenants and agrees with the Commission that it will not assign or transfer any of its plant or immovable property necessary to the development of power or energy except to an assignee or transferee, which shall covenant and agree with the Commission, in such form and manner as the Commission may require, to assume and perform the obligations of the Company in this Agreement contained; any such assignment or transfer shall not relieve the Company from any of its said obligations, and the Company will, if required by the Commission, execute and deliver to the Commission its guarantee in such form as the Commission may require for the full performance of this Agreement by such assignee or transferee."

And whereas the MacLaren Company desires to transfer to the Power Company certain properties and rights of the MacLaren Company including the plant and immovable property of the MacLaren Company necessary for the development of electrical power or energy and also desires to transfer to the Power Company the rights, interest and benefit of the MacLaren Company under or arising out of the said power contract.

Now, therefore, this Agreement witnesseth that for the considerations herein contained the parties hereto covenant, promise and agree as follows:

1. The Power Company hereby covenants and agrees with the Commission to assume, undertake and perform and hereby assumes and undertakes and binds itself to perform all the covenants, agreements and obligations of the MacLaren Company under or arising out of the power contract as fully and effectually as the MacLaren Company itself might or could do.

2. The above mentioned transfer of the said plant and immovable property and of the rights, interest and benefit of the MacLaren Company under or arising out of the power contract shall not release or relieve the MacLaren Company from any obligation contained in the power contract.

3. The MacLaren Company hereby covenants and agrees with the Commission that the Power Company will from time to time and at all times perform all the covenants, agreements and obligations contained in the power contract on the part of the MacLaren Company to be performed, and that if the Power Company shall in any respect whatsoever fail to perform any of the said covenants, agreements and obligations with the Commission in accordance with the power contract, the MacLaren Company will itself perform or cause to be performed the said covenants, agreements and obligations as fully in all respects as if the power contract had never been transferred to the Power Company and the MacLaren Company hereby renounces the benefit of discussion and binds itself jointly and severally with the Power Company for due performance as in this clause above set out.

4. The MacLaren Company further covenants and agrees with the Commission that the Commission may at any time agree with the Power Company to vary the terms of the power contract with the Power Company, or take or receive from the Power Company any security whatsoever to secure performance of the said covenants, agreements and obligations, or grant any extension of time to the Power Company, or deal with the Power Company in any manner whatsoever without releasing the MacLaren Company from any covenants, agreements and obligations contained herein or in the power contract or in the power contract as so varied:

5. The Commission hereby declares that the covenants and agreements of the Power Company contained in Clause 1 of this Agreement are made in the form and manner required by the Commission as contemplated by the above recited paragraph from the said power contract and that the guarantee of the MacLaren Company contained in Clause 3 of this Agreement is made in the form and manner required by the Commission as contemplated by the said above recited paragraph, and the Commission hereby consents to the transfer by the MacLaren Company to the Power Company of the rights, interest and benefit of the MacLaren Company under or arising out of the said power contract, subject always to all the terms and provisions of this Agreement.

In witness whereof the Parties hereto have caused this Agreement to be executed under their corporate seals, attested by the signatures of their proper officers duly authorized thereto.

WITNESS:

(Sgd.) J. H. COPPING.

(Sgd.) J. H. COPPING.

Recommended:

January 13, 1931.

(Sgd.) W. GEORGE HANNA,

Approved:

January 13, 1931.

(Sgd.) I. B. LUCAS.

January 14, 1931.

(Sgd.) F. A. GABY.

THE JAMES MACLAREN COMPANY,
LIMITED,

(Sgd.) ALBERT MACLAREN,
President. (Seal)

(Sgd.) J. A. BRYANT,
Secretary.

MACLAREN-QUEBEC POWER COMPANY,
(Seal)

(Sgd.) ALBERT MACLAREN,
President.

(Sgd.) J. A. BRYANT,
Secretary.

THE HYDRO-ELECTRIC POWER COMMISSION
OF ONTARIO, (Seal)

(Sgd.) J. R. COOKE,
Vice-Chairman.

(Sgd.) W. W. POPE,
Secretary.

CHAPTER 54

An Act to amend The Power Commission Act.

Assented to April 18th, 1935.

HIS MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

1. This Act may be cited as *The Power Commission Amendment Act, 1935.* Short title.

2.—(1) Clause *b* of section 1 of *The Power Commission Act* is amended by striking out the words “electrical power or energy” in the last line and inserting in lieu thereof the words “hydraulic, electrical, steam, gas or other power or energy,” so that the said clause shall now read as follows:

(b) “Works” shall include all property, plant, machinery, installations, materials, devices, fittings, apparatus, appliances and equipment constructed, acquired or used in the generation, transformation, transmission, distribution, delivery, sale or use of hydraulic, electrical, steam, gas or other power or energy. “Works”

(2) The said section 1 is further amended by adding thereto the following clauses: Rev. Stat., c. 57, s. 1, amended.

(f) “Power” shall include hydraulic, electrical, steam, gas or other power and shall also include energy; “Power.”

(g) “Supply” shall include delivery, dealing in, and sale. “Supply.”

3. Clause *c* of section 11 of *The Power Commission Act* is repealed and the following substituted therefor: Rev. Stat., c. 57, s. 11, cl. c, re-enacted.

(c) to meet any unforeseen expenditures or costs caused by or arising from injury to, or destruction, obsolescence or loss of use of, any works or other property of the Commission or otherwise incurred or payable by the Commission; For unforeseen expenses.

(d) to provide its own funds as insurance against loss or damage to any property of the Commission, or loss or damage to the persons or property of others caused by or arising from the works or operations of the Commission. Insurance against loss or damage to property.

4.—(1) Notwithstanding anything contained in sections 11a and 56 of *The Power Commission Act* the Commission shall not be required to open and maintain the stabilization fund account referred to in the said sections until such time as the Commission may otherwise determine and the Commission may, for stabilization fund purposes, set apart moneys under section 11. Stabilization fund.

(2) This section shall be deemed to have been in force as from the 3rd day of April, 1930. Commencement of section.

Rev. Stat.,
c. 57, s. 36,
re-enacted.

General
borrowing
powers.

Purposes of
Commission
shall
include.

May
borrow }
net sum.

Commission
may sell
or pledge.

Re-issue of
securities.

5. Section 36 of *The Power Commission Act* as amended by section 2 of *The Power Commission Act*, 1934, is repealed and the following substituted therefor:

- 36.—(1) Subject to the approval of the Lieutenant-Governor in Council, the Commission may borrow money and issue notes, bonds, debentures and other securities or do any of these things for any of the purposes of the Commission.
- (2) The said purposes of the Commission shall, without limiting the generality thereof, include—
- (a) repayment on account of the advances by the Province to the Commission;
 - (b) payment, refunding or renewal from time to time of the whole or any part of any loan made or securities issued by the Commission under the provisions of this or any other Act;
 - (c) payment of the whole or any part of any loan or of any liability or of any bonds, debentures or other securities, payment whereof is guaranteed or assumed by the Commission.
- (3) For the purposes specified in subsection 2 the Commission may borrow and may issue as aforesaid in such amounts as will realize the net sum required by the Commission for such purposes and a recital or declaration in the resolution or minutes of the Commission authorizing the issue of securities to the effect that the amount of securities so authorized is necessary to realize the net sum required for the purposes of the Commission shall be conclusive evidence of the fact.
- (4) The Commission on such terms and conditions as it deems advisable may sell or otherwise dispose of any such notes, bonds, debentures and other securities, may charge, pledge, hypothecate, deposit or otherwise deal with any such securities as collateral security and may do any of these things.
- (5) Any such securities dealt with as collateral security when redelivered to the Commission or its nominees on or after payment, satisfaction, release or discharge in whole or in part of any indebtedness or obligation for which such securities may have been given as collateral, or when the Commission again becomes entitled to such securities, may be treated by the Commission as unissued and may be issued, reissued, charged, pledged, hypothecated, deposited, dealt with as collateral security, sold or otherwise disposed of from time to time upon such terms and conditions as the Commission may deem advisable, or at its option may be cancelled and fresh securities to the like amount and in like form may be issued in lieu thereof with the like consequences, and upon such issue or reissue any person entitled thereto shall have the same rights and remedies as if the same had not been previously issued.

- (6) The Commission on such terms and conditions as it deems Commission may pledge securities. advisable may charge, pledge, hypothecate, deposit or otherwise deal with as collateral security any bonds, debentures or other securities in which it has invested its funds as in section 12 provided.

6. Section 40 of *The Power Commission Act* as amended by Rev. Stat., c. 57, s. 40, amended. section 5 of *The Power Commission Act*, 1929, is further amended by adding thereto the following subsections:

- (4) Subject to the approval of the Lieutenant-Governor in Work for extending use of electricity. Council the Commission, out of any funds in its hands, may undertake and carry on investigation, experiments, research, development and other work in or for the generation, transformation, transmission, distribution, supply, sale or use of hydraulic, electrical, steam, gas or other power or energy and may use and apply the results thereof, and may undertake and carry on any electro-chemical, chemical or physical process and, without limiting the generality thereof, electrolysis, reduction, synthesis and conversion of water and other resources, their constituents and compounds and the development and manufacture of products therefrom.
- (5) The Commission may acquire any patent or license, or Dealing in patents and products. interest in any patent or license and may use or supply or dispose of by sale, lease, hire, license or otherwise any such patent, license or interest and any product, article or commodity produced, used, acquired or found in the operations of the Commission and any right to or interest in any process or the right to use the same.
- (6) The Commission may do any or all of the things authorized Power to act with others. in this section and as principals, agents, contractors, trustees or otherwise and either alone or in conjunction with others. A municipal corporation or commission may act as agent for the Commission.
- (7) Any net profit obtained by the Commission from anything Profits to reduce cost of power. authorized in this section shall be applied as the Commission shall deem equitable towards reduction in the cost of power to municipal corporations having contracts with the Commission for the supply of electrical power or energy.

7. Section 43a of *The Power Commission Act* as enacted by Rev. Stat., c. 57, s. 43a (1933, c. 47, s. 2), amended. section 2 of *The Power Commission Act*, 1933, is amended by adding thereto the following subsections:

- (6) The contract with a municipal corporation under subsection 5 may provide for the supply of electrical power or energy at fixed rates or price notwithstanding anything contained in section 56, and in such event the provisions as to cost in section 56 and the provisions in other sections of this Act relating to such cost shall not apply to such municipal corporation but otherwise this Act shall apply to such municipal corporation. Cost in s. 56 shall not apply.

Commence-
ment of
subs. 6.

Rev. Stat.,
c. 57,
amended.

Agreement
as to
supplying
power.

Commission
may define
areas.

Supply of
power.

Deemed
rural
power.

- (7) Subsection 6 shall apply to municipal corporations supplied with power from works covered by an agreement authorized under subsection 2 of this section and shall be deemed so to have applied since the 18th day of April, 1933.

8. *The Power Commission Act* is amended by adding thereto the following section:

- 69a.—(1) The Commission may enter into an agreement or agreements with His Majesty the King in the right of the Province of Ontario providing for the supply and distribution of electrical power or energy by the Commission on behalf of the Province in unorganized townships, in Provincial Parks and in other territory without municipal organization and including under any such agreement from time to time any one or more of the areas that may be defined under subsection 2, and any such agreement when executed by the President of the Executive Council of Ontario, representing His Majesty, and by the Commission, shall be valid and binding on His Majesty in the right of the Province of Ontario and on the Commission respectively.
- (2) Subject to the approval of the Lieutenant-Governor in Council, the Commission may define areas in unorganized townships, in Provincial Parks and in other territory without municipal organization; the Commission may make any such area or areas a rural power district or part thereof, or part of an existing rural power district; the Commission may alter, enlarge or diminish any such area and may incorporate the whole or any part of any such area in any other rural power district but before adding to any area land not previously included in any area, the approval of the Lieutenant-Governor in Council shall first be obtained; for the purposes of this section a rural power district shall include any such district established under this section or under section 66.
- (3) Subject to agreement under subsection 1, the Commission may, on behalf of the Province,—
- (a) acquire, construct, extend, reconstruct, hold, maintain, operate and administer all works necessary for the transmission to and the transformation and distribution and supply of electrical power or energy in any such area;
 - (b) distribute and supply electrical power or energy in any such area;
 - (c) contract with any person, firm or corporation for the supply of electrical power or energy in any such area.
- (4) Save as in this section provided, all other provisions in relation to rural power districts in this or any other Act shall apply to each such area and the distribution and supply of electrical power or energy therein.

9.—(1) Subsection 2 of section 97 of *The Power Commission Act* as amended by section 11 of *The Power Commission Act, 1930*, and subsection 2 of section 8 of *The Power Commission Act, 1931*, is repealed and the following substituted therefor: Rev. Stat.,
c. 57, s. 97,
subs. 2
amended.

- (2) Notwithstanding anything contained in *An Act respecting the City of Toronto*, passed in the first year of the reign of His Majesty, King George the Fifth, chaptered 119, in a city having a population of sixty thousand or over according to the last enumeration of the assessor, the corporation of which has entered into a contract with the Commission under this Act, the commission to be established for the control and management of the construction, operation and maintenance of all works undertaken by the corporation for the distribution and supply of electrical power or energy shall consist of three members, one of whom shall be the mayor of the city, one of whom shall be appointed by the municipal council of the city to hold office for two years and until his successor is appointed, and the third of whom shall be appointed by and shall hold office during the pleasure of the Commission. Municipal
commission
how com-
posed in city
of 60,000 or
over.

(2) Subsection 3 of the said section 97 as enacted by subsection 3 of section 8 of *The Power Commission Act, 1931*, is repealed. Rev. Stat.,
c. 57, s. 97,
subs. 3
(1931, c. 13,
s. 8, subs. 3)
repealed.

(3) Subsections 1 and 2 of this section shall have effect from the 1st day of August, 1934. Subs. 1 and 2
retroactive.

10. This Act shall come into force on the day upon which it receives the Royal Assent. Commence-
ment of
Act.

APPENDIX

TOTAL MILEAGE OF TRANSMISSION LINES AND NUMBER OF

System and voltage	Line route miles		
	Total to Oct. 31, 1934	Addi- tions 1935	Total to Oct. 31, 1935
Niagara System			
220,000-volt.....	705.27	.....	705.27
110,000-volt.....	713.70	.....	713.70
110,000-volt.....	67.16	.....	67.16
90,000-volt.....	65.85	.....	65.85
60,000-volt.....	94.23	.....	94.23
60,000-volt.....	23.72	.....	23.72
46,000-volt.....	16.94	.....	16.94
46,000-volt.....	21.54	.....	21.54
30,000-volt.....	13.29	.....	13.29
26,400-volt.....	611.77	*1.42	610.35
13,200-volt.....	434.90	*2.48	432.42
13,200-volt.....	0.71	.....	0.71
12,000-volt.....	113.95	7.55	121.50
Dominion Power division—44,000-volt.....	37.35	*0.04	37.31
Dominion Power division—44,000-volt.....	140.60	0.86	141.46
Dominion Power division—22,000-volt.....	28.69	*0.59	28.10
Dominion Power division—22,000-volt (concrete poles).....	9.05	*0.05	9.00
Dominion Power division—10,000-volt.....	11.23	3.29	14.52
Georgian Bay System			
110,000-volt.....	55.83	.....	55.83
38,000-volt.....	54.28	.....	54.28
6,600-volt.....	2.30	.....	2.30
Severn district—22,000-volt.....	176.46	.....	176.46
Eugenia district—26,400-volt and less.....	321.25	*0.25	321.00
Wasdeils district—22,000-volt.....	83.72	.....	83.72
Muskoka district—38,000-volt and less.....	26.46	.....	26.46
Eastern Ontario System			
110,000-volt.....	107.08	.....	107.08
110,000-volt.....	39.82	3.30	43.12
44,000-volt.....	24.33	.....	24.33
33,000-volt.....	.....	33.86	33.86
Central district—44,000-volt and less.....	503.06	.....	503.06
St. Lawrence district—44,000-volt.....	126.79	*1.66	125.13
Rideau district—33,000-volt and less.....	76.87	0.12	76.99
Madawaska district—38,000-volt and less.....	58.71	.....	58.71
Thunder Bay System			
110,000-volt.....	82.12	.....	82.12
110,000-volt.....	83.33	.....	83.33
22,000-volt.....	0.35	.....	0.35
12,000-volt.....	1.45	.....	1.45
Northern Ontario Properties			
132,000-volt.....	361.96	.....	361.96
132,000-volt.....	94.86	.....	94.86
Abitibi district—26,400-volt and less.....	5.44	22.74	28.18
Nipissing district—22,000-volt.....	51.39	.....	51.39
Sudbury district—22,000-volt.....	33.23	24.98	58.21
St. Joseph district—22,000-volt.....	.....	26.40	26.40
Espanola district—33,000-volt.....	.....	10.74	10.74
Total	5,481.04	†127.35	5,608.39

*—Removals. †—Net increase.

II

SUPPORTING STRUCTURES CONSTRUCTED AND ACQUIRED

Circuit miles			Number of steel towers			Number of wood poles		
Total to Oct. 31, 1934	Addi- tions 1935	Total to Oct. 31, 1935	Total to Oct. 31, 1934	Addi- tions 1935	Total to Oct. 31, 1935	Total to Oct. 31, 1934	Addi- tions 1935	Total to Oct. 31, 1935
705.27	.....	705.27	3,522	.....	3,522	.....	.....	.....
1,372.76	.....	1,372.76	6,562	.....	6,562	.....	.....	.....
67.16	.....	67.16	.....	.....	.....	824	.....	824
129.00	*0.28	128.72	409	.....	409	.....	.....	.....
80.27	*5.41	74.86	941	.....	941	.....	.....	.....
23.72	.....	23.72	.....	.....	.....	641	.....	641
50.16	.....	50.16	376	*1	375	.....	.....	.....
21.54	.....	21.54	.....	.....	.....	672	1	673
26.58	.....	26.58	.....	.....	.....	612	.....	612
775.75	4.22	779.97	.....	.....	.....	23,693	*59	23,634
519.83	*2.41	517.42	.....	.....	.....	17,585	*206	17,379
1.42	.....	1.42	16	.....	16	.....	.....	.....
178.26	13.62	191.88	7	.....	7	5,121	*60	5,061
71.46	3.16	74.62	526	.....	526	.....	.....	.....
136.98	0.86	137.84	.....	.....	.....	5,116	4	5,120
34.19	*0.74	33.45	.....	.....	.....	1,289	4	1,293
18.10	*0.10	18.00	.....	.....	.....	253	.....	253
11.23	3.29	14.52	.....	.....	.....	485	13	498
.....
55.83	.....	55.83	.....	.....	.....	548	.....	548
54.28	.....	54.28	.....	.....	.....	684	.....	684
2.30	.....	2.30	.....	.....	.....	101	.....	101
247.63	.....	247.63	.....	.....	.....	7,482	*25	7,457
404.64	*0.25	404.39	.....	.....	.....	12,648	*12	12,636
87.66	.....	87.66	.....	.....	.....	3,267	.....	3,267
26.46	.....	26.46	.....	.....	.....	1,148	.....	1,148
.....
110.39	.....	110.39	635	1	636	.....	.....	.....
39.82	3.30	43.12	.....	.....	.....	585	61	646
24.33	.....	24.33	.....	.....	.....	286	.....	286
.....	33.86	33.86	.....	.....	.....	.....	921	921
554.29	.....	554.29	2	.....	2	17,929	.....	17,929
126.79	*1.66	125.13	.....	.....	.....	4,407	*73	4,334
76.87	0.12	76.99	.....	.....	.....	2,870	.....	2,870
58.71	.....	58.71	.....	.....	.....	1,965	.....	1,965
.....
164.28	.....	164.28	539	.....	539	.....	.....	.....
83.33	.....	83.33	.....	.....	.....	1,352	.....	1,352
0.35	.....	0.35	.....	.....	.....	15	.....	15
1.45	.....	1.45	.....	.....	.....	61	.....	61
.....
723.92	.....	723.92	1,873	2	1,875	.....	.....	.....
94.86	.....	94.86	.....	.....	.....	1,373	*2	1,371
5.44	22.74	28.18	.....	.....	.....	199	802	1,001
67.91	.....	67.91	.....	.....	.....	1,841	*2	1,839
33.23	24.98	58.21	.....	2	2	1,396	1,977	3,373
.....	26.40	26.40	.....	.....	.....	.....	692	692
.....	10.74	10.74	.....	1	1	.....	291	291
7,268.45	†136.44	7,404.89	15,408	†5	15,413	116,448	†4,327	120,775

APPENDIX II

LINES FOR THE USE OF

System	Total route miles			Miles of single-circuit line		
	Completed to Oct. 31, 1934	Completed Oct. 31, 1934 to Oct. 31, 1935	Total to Oct. 31, 1935	Completed to Oct. 31, 1934	Completed Oct. 31, 1934 to Oct. 31, 1935	Total to Oct. 31, 1935
Niagara system.....	703.52	2.56	706.08	320.11	3.55	323.66
Dominion Power division.....						
Georgian Bay system.....						
Eastern Ontario system.....	8.35		8.35	5.50		5.50
Thunder Bay system.....						
Northern Ontario properties.....	246.06	4.74	250.80	245.04	1.50	246.54
Totals.....	957.93	7.30	965.23	570.65	5.05	575.70

Included in totals are 1.30 miles of 8-circuit line and 0.18 miles of 7-circuit line (E.O. system),
 ‡This total exclusive of telephone cable.

TELEPHONE CIRCUITS CARRIED

System	Total route miles			Miles of single-circuit line		
	Completed to Oct. 31, 1934	Completed Oct. 31, 1934 to Oct. 31, 1935	Total to Oct. 31, 1935	Completed to Oct. 31, 1934	Completed Oct. 31, 1934 to Oct. 31, 1935	Total to Oct. 31, 1935
Niagara system and N.A.....	1,062.28	*1.55	1,060.73	975.29	*1.19	974.10
Dominion Power division.....		20.01	20.01		14.82	14.82
Georgian Bay system.....	709.31	*0.25	709.06	645.63	*0.25	645.38
Eastern Ontario system.....	815.51	26.24	841.75	732.91	19.26	752.17
Thunder Bay system.....	97.86		97.86	97.86		97.86
Northern Ontario properties.....	248.24	72.16	320.40	247.71	72.16	319.87
Totals.....	2,933.20	†116.61	3,049.81	2,699.40	†104.80	2,804.20

*Removals. †Net increase.

Derived (carrier and phantom) circuits to Oct. 31, 1934—Niagara system—453.48 miles
 Derived (carrier and phantom) circuits to Oct. 31, 1935—Niagara system—298.69 miles
 These circuits are additional to the above tabulation but are made available by utilizing listed

Concluded

TELEPHONE CIRCUITS ONLY

Miles of double-circuit line			Miles of three-circuit line			Miles of four-circuit line			Miles of telephone cable		
Completed to Oct. 31, 1934	Completed Oct. 31, 1934 to Oct. 31, 1935	Total to Oct. 31, 1935	Completed to Oct. 31, 1934	Completed Oct. 31, 1934 to Oct. 31, 1935	Total to Oct. 31, 1935	Completed to Oct. 31, 1934	Completed Oct. 31, 1934 to Oct. 31, 1935	Total to Oct. 31, 1935	Completed to Oct. 31, 1934	Completed Oct. 31, 1934 to Oct. 31, 1935	Total to Oct. 31, 1935
273.29	0.41	273.70	9.08		9.08	95.24	*1.40	93.84	27.56		27.56
1.37		1.37									
1.02	3.24	4.26								0.35	0.35
275.68	3.65	279.33	9.08		9.08	95.24	*1.40	93.84	27.56	0.35	27.91

and 5.80 miles of 6-circuit line in Niagara system.

JOINTLY WITH POWER CIRCUITS

Miles of double-circuit line			Miles of three-circuit line			Miles of four-circuit line			Miles of telephone cable		
Completed to Oct. 31, 1934	Completed Oct. 31, 1934 to Oct. 31, 1935	Total to Oct. 31, 1935	Completed to Oct. 31, 1934	Completed Oct. 31, 1934 to Oct. 31, 1935	Total to Oct. 31, 1935	Completed to Oct. 31, 1934	Completed Oct. 31, 1934 to Oct. 31, 1935	Total to Oct. 31, 1935	Completed to Oct. 31, 1934	Completed Oct. 31, 1934 to Oct. 31, 1935	Total to Oct. 31, 1935
81.54	*0.36	81.18	4.45		4.45	1.00		1.00			
	5.19	5.19									
56.63		56.63	7.05		7.05						
82.60	6.98	89.58									
0.53		0.53									
221.30	†11.81	233.11	11.50		11.50	1.00		1.00			

Eastern Ontario system—12.70 miles.
Eastern Ontario system—12.70 miles.
physical circuits.

APPENDIX II

LINES FOR THE USE OF

System	Total route miles			Miles of single-circuit line		
	Completed to Oct. 31, 1934	Completed Oct. 31, 1934 to Oct. 31, 1935	Total to Oct. 31, 1935	Completed to Oct. 31, 1934	Completed Oct. 31, 1934 to Oct. 31, 1935	Total to Oct. 31, 1935
Niagara system.....	703.52	2.56	706.08	320.11	3.55	323.66
Dominion Power division.....						
Georgian Bay system.....						
Eastern Ontario system.....	8.35		8.35	5.50		5.50
Thunder Bay system.....						
Northern Ontario properties.....	246.06	4.74	250.80	245.04	1.50	246.54
Totals.....	957.93	7.30	965.23	570.65	5.05	575.70

Included in totals are 1.30 miles of 8-circuit line and 0.18 miles of 7-circuit line (E.O. system),
†This total exclusive of telephone cable.

TELEPHONE CIRCUITS CARRIED

System	Total route miles			Miles of single-circuit line		
	Completed to Oct. 31, 1934	Completed Oct. 31, 1934 to Oct. 31, 1935	Total to Oct. 31, 1935	Completed to Oct. 31, 1934	Completed Oct. 31, 1934 to Oct. 31, 1935	Total to Oct. 31, 1935
Niagara system and N.A.....	1,062.28	*1.55	1,060.73	975.29	*1.19	974.10
Dominion Power division.....		20.01	20.01		14.82	14.82
Georgian Bay system.....	709.31	*0.25	709.06	645.63	*0.25	645.88
Eastern Ontario system.....	815.51	26.24	841.75	732.91	19.26	752.17
Thunder Bay system.....	97.86		97.86	97.86		97.86
Northern Ontario properties.....	248.24	72.16	320.40	247.71	72.16	319.87
Totals.....	2,933.20	†116.61	3,049.81	2,699.40	†104.80	2,804.20

*Removals. †Net increase.

Derived (carrier and phantom) circuits to Oct. 31, 1934—Niagara system—453.48 miles

Derived (carrier and phantom) circuits to Oct. 31, 1935—Niagara system—298.69 miles

These circuits are additional to the above tabulation but are made available by utilizing listed

Concluded

TELEPHONE CIRCUITS ONLY

Miles of double-circuit line			Miles of three-circuit line			Miles of four-circuit line			Miles of telephone cable		
Completed to Oct. 31, 1934	Completed Oct. 31, 1934 to Oct. 31, 1935	Total to Oct. 31, 1935	Completed to Oct. 31, 1934	Completed Oct. 31, 1934 to Oct. 31, 1935	Total to Oct. 31, 1935	Completed to Oct. 31, 1934	Completed Oct. 31, 1934 to Oct. 31, 1935	Total to Oct. 31, 1935	Completed to Oct. 31, 1934	Completed Oct. 31, 1934 to Oct. 31, 1935	Total to Oct. 31, 1935
273.29	0.41	273.70	9.08		9.08	95.24	*1.40	93.84	27.56		27.56
1.37		1.37									
1.02	3.24	4.26								0.35	0.35
275.68	3.65	279.33	9.08		9.08	95.24	*1.40	93.84	27.56	0.35	27.91

and 5.80 miles of 6-circuit line in Niagara system.

JOINTLY WITH POWER CIRCUITS

Miles of double-circuit line			Miles of three-circuit line			Miles of four-circuit line			Miles of telephone cable		
Completed to Oct. 31, 1934	Completed Oct. 31, 1934 to Oct. 31, 1935	Total to Oct. 31, 1935	Completed to Oct. 31, 1934	Completed Oct. 31, 1934 to Oct. 31, 1935	Total to Oct. 31, 1935	Completed to Oct. 31, 1934	Completed Oct. 31, 1934 to Oct. 31, 1935	Total to Oct. 31, 1935	Completed to Oct. 31, 1934	Completed Oct. 31, 1934 to Oct. 31, 1935	Total to Oct. 31, 1935
81.54	*0.36	81.18	4.45		4.45	1.00		1.00			
	5.19	5.19									
56.63		56.63	7.05		7.05						
82.60	6.98	89.58									
0.53		0.53									
221.30	†11.81	233.11	11.50		11.50	1.00		1.00			

Eastern Ontario system—12.70 miles.
Eastern Ontario system—12.70 miles.
physical circuits.

APPENDIX III

DISTRIBUTION LINES AND SYSTEMS

Summaries of Data respecting Rural Distribution Systems, constructed by The Hydro-Electric Power Commission

Below is shown in tabular form the work carried on under the supervision of the Distribution section of the Electrical Engineering department during the year ended October 31, 1935.

SUMMARY OF CONSTRUCTION IN RURAL POWER DISTRICTS

	At October 31, 1934		At October 31, 1935					
	Miles of primary line constructed	Number of consumers receiving service*	Miles of primary line			Number of consumers†		
			Constructed	Under construction or authorized	Total	Receiving service	Authorized	Total
NIAGARA SYSTEM.....	6,754.26	46,282	7,019.42	62.44	7,081.86	47,869	243	48,112
GEORGIAN BAY SYSTEM								
Severn district.....	283.16	2,676	312.14	5.42	317.56	2,943	24	2,967
Eugenia district.....	212.47	1,118	222.65	1.14	223.79	1,129	13	1,142
Wasdell district.....	231.45	1,570	238.69	1.33	240.02	1,633	8	1,641
Muskoka district....	114.69	656	127.37	0.10	127.47	763	5	768
Bala district.....	41.27	252	41.27	0.00	41.27	260	0	260
EASTERN ONTARIO SYSTEM								
Central district.....	994.03	7,094	1,081.39	10.49	1,091.88	7,495	53	7,548
St. Lawrence district.....	398.49	2,423	405.01	4.54	409.55	2,494	19	2,513
Rideau district.....	77.40	486	92.18	1.00	93.18	537	1	538
Madawaska district	11.21	63	15.21	11.92	27.13	122	76	198
Ottawa district.....	183.84	1,127	185.79	0.33	186.12	1,197	1	1,198
THUNDER BAY SYSTEM..	80.96	289	81.35	0.00	81.35	315	0	315
NORTHERN ONTARIO PROPERTIES								
Nipissing district....	14.62	352	18.12	0.00	18.12	426	0	426
Manitoulin district..	37.25	184	37.25	0.00	37.25	176	0	176
Total.....	9,435.10	64,572	9,877.84	98.71	9,976.55	67,359	443	67,802

*The figures shown in this column include guarantee contracts.

†The figures shown in this column do not include guarantee contracts.

DETAILS OF CONSTRUCTION IN RURAL POWER DISTRICTS

Rural power district	Property number	At October 31, 1934		At October 31, 1935	
		Miles of primary line constructed	Number of consumers receiving service*	Miles of primary line constructed	Number of consumers receiving service†
NIAGARA SYSTEM					
Acton.....	N5D1	8.85	27	9.39	28
Ailsa Craig.....	N4D7	6.00	19	5.59	16
Alvinston.....	N18D9	4.50	11	4.50	9
Amherstburg.....	N15D3	67.02	597	67.61	609
Aylmer.....	N11D2	112.45	650	118.43	675
Ayr.....	N12D4	23.76	93	23.76	91
Baden.....	N7D1	97.17	458	100.73	471
Beamsville.....	N44D3	159.32	1,491	168.83	1,610
Belle River.....	N15D2	43.83	367	43.83	378
Blenheim.....	N14D3	60.47	330	61.24	332
Bond Lake.....	N3D3	165.69	1,612	173.41	1,716
Bothwell.....	N14D10	39.39	145	39.39	148
Brampton.....	N13D2	52.93	189	54.83	177
Brant.....	N12D1	112.69	596	115.19	614
Brigden.....	N18D8	36.61	114	36.91	121
Burford.....	N12D2	50.80	282	53.50	282
Caledonia.....	N2D5	103.09	516	105.67	546
Chatham.....	N14D1	143.51	824	150.52	858
Chippawa.....	N1D7	25.98	179	28.20	188
Clinton.....	N8D11	70.53	399	70.53	383
Delaware.....	N4D3	139.59	677	143.20	697
Dorchester.....	N4D1	111.16	595	113.30	622
Dresden.....	N14D12	24.23	90	24.58	77
Drumbo.....	N12D5	58.98	278	60.35	274
Dundas.....	N2D1	114.02	773	117.44	781
Dunnville.....	N1D9	19.33	103	19.55	114
Dutton.....	N11D3	47.40	202	47.40	181
Elmira.....	N7D3	24.45	93	25.25	91
Elora.....	N5D4	47.36	279	48.21	270
Essex.....	N15D7	88.04	458	90.05	464
Exeter.....	N4D6	68.43	648	69.62	680
Forest.....	N18D6	41.65	154	44.13	164
Galt.....	N6D2	39.73	317	40.93	341
Georgetown.....	N5D2	57.56	286	58.06	281
Goderich.....	N8D2	49.83	219	50.69	195
Grantham.....	N44D1	64.28	833	65.53	861
Guelph.....	N5D3	94.62	476	99.27	605
Haldimand.....	N2D8	57.89	318	69.26	330
Harriston.....	N8D5	23.75	71	23.75	61
Harrow.....	N15D4	68.50	645	68.58	661
Ingersoll.....	N10D3	181.25	680	183.55	632
Jordan.....	N44D2	37.09	407	39.99	414
Keswick.....	N3D5	58.10	1,063	58.30	1,125
Kingsville.....	N15D5	132.62	1,408	137.95	1,460
Listowel.....	N8D8	80.35	400	82.13	356

*The figures shown in this column include guarantee contracts.

†The figures shown in this column do not include guarantee contracts.

DETAILS OF CONSTRUCTION IN RURAL POWER DISTRICTS—Continued

Rural power district	Property number	At October 31, 1934		At October 31, 1935	
		Miles of primary line constructed	Number of consumers receiving service*	Miles of primary line constructed	Number of consumers receiving service†
NIAGARA SYSTEM—Concluded					
London.....	N4D2	195.77	2,157	200.08	2,278
Lucan.....	N4D5	33.68	124	42.92	146
Lynden.....	N2D2	54.89	250	58.48	250
Markham.....	N3D1	121.34	924	129.80	976
Merlin.....	N14D15	92.93	328	96.61	344
Milton.....	N13D3	68.06	347	70.26	354
Milverton.....	N8D9	41.42	192	41.46	179
Mitchell.....	N8D7	69.81	382	69.81	354
Newmarket.....	N3D4	65.67	400	69.33	403
Niagara.....	N1D1	49.13	316	51.15	326
Norwich.....	N10D1	111.89	488	116.09	522
Oil Springs.....	N18D3	20.81	114	21.14	115
Palmerston.....	N18D6	38.06	138	38.56	115
Petrolia.....	N18D5	14.98	59	14.98	64
Preston.....	N6D1	145.80	1,035	152.50	1,119
Ridgetown.....	N14D2	104.88	711	106.58	716
St. Jacobs.....	N7D2	69.94	388	71.34	391
St. Marys.....	N9D1	115.60	452	120.24	446
St. Thomas.....	N11D1	168.42	1,155	171.07	1,165
Saltfleet.....	N17D1	94.07	1,534	96.21	1,670
Sandwich.....	N15D1	129.53	2,057	130.76	2,035
Sarnia.....	N18D4	87.78	1,209	89.14	1,274
Scarboro.....	N3D2	86.56	793	91.53	885
Seaforth.....	N8D10	16.60	155	17.56	152
Simcoe.....	N12D6	74.52	402	75.08	396
Stamford.....	N44D4	8.37	291	8.77	305
Stratford.....	N8D4	37.17	229	37.17	234
Strathroy.....	N4D4	78.95	258	80.21	235
Streetsville.....	N13D1	104.49	467	107.62	478
Tavistock.....	N8D1	81.33	329	93.16	330
Thamesville.....	N14D11	68.31	277	69.64	279
Tilbury.....	N14D14	63.34	276	76.77	301
Tillsonburg.....	N10D4	114.66	603	121.27	630
Wallaceburg.....	N14D13	86.52	559	98.52	596
Walsingham.....	N12D7	107.56	552	135.00	607
Walton.....	N8D3	42.87	277	45.10	274
Waterdown.....	N2D3	71.03	935	71.46	989
Waterford.....	N12D3	71.31	331	72.97	325
Watford.....	N18D7	17.75	57	17.55	57
Welland.....	N1D5	286.50	2,687	285.61	2,790
Woodbridge.....	N16D1	197.69	1,016	212.72	1,086
Woodstock.....	N10D2	129.47	656	130.07	689

*The figures shown in this column include guarantee contracts.

†The figures shown in this column do not include guarantee contracts.

DETAILS OF CONSTRUCTION IN RURAL POWER DISTRICTS—Continued

Rural power district	Property number	At October 31, 1934		At October 31, 1935	
		Miles of primary line constructed	Number of consumers receiving service*	Miles of primary line constructed	Number of consumers receiving service†
GEORGIAN BAY SYSTEM					
SEVERN DISTRICT					
Alliston.....	S32D1	23.57	148	24.52	148
Barrie.....	S4D1	61.10	500	61.70	513
Beeton.....	S33D1	1.80	5	1.80	5
Bradford.....	S37D1	27.07	88	27.07	85
Buckskin.....	S24D1	1.20	16	1.20	15
Cookstown.....	S35D1	0.50	2	0.50	2
Creemore.....	S10D2	30.12	135	30.12	121
Elmvale.....	S7D1	25.50	160	26.25	157
Hawkestone.....	S9D1	28.95	178	29.80	202
Innisfil.....	S31D1	29.08	587	36.46	656
Medonte.....	S18D1	9.14	55	9.44	57
Midland.....	S1D1	12.23	43	28.50	141
Nottawasaga.....	S5D1	8.22	98	8.22	100
Thornton.....	S36D1	8.00	30	8.00	32
Wasaga Beach.....	S10D1	16.68	631	18.56	709
EUGENIA DISTRICT					
Arthur.....	E13D2	2.40	10	2.40	8
Bruce.....	E19D1	60.35	279	62.47	296
Chatsworth.....	E3D1	0.00	22	0.00	22
Flesherton.....	E1D1	2.60	38	2.60	24
Holstein.....	E7D1	0.50	8	0.50	8
Lucknow.....	E24D1	0.11	2	0.11	2
Markdale.....	E1D2	20.70	89	20.70	85
Meaford.....	E14D1	1.00	5	1.00	5
Neustadt.....	E8D1	0.50	4	0.50	4
Orangeville.....	E12D1	22.88	93	23.28	82
Owen Sound.....	E2D1	5.52	50	12.68	61
Ripley.....	E24D2	4.32	13	4.32	13
Sauble.....	E46D1	11.45	56	11.45	66
Shelburne.....	E10D1	18.44	56	18.44	51
Tara.....	E15D1	25.75	115	25.75	112
Wroxeter.....	E22D1	35.95	278	36.45	290
WASDELL DISTRICT					
Beaverton.....	W2D1	27.26	337	30.76	366
Cannington.....	W3D1	10.09	50	10.09	53
Mariposa.....	W9D1	48.19	323	49.39	324
Port Perry.....	W12D1	49.42	375	51.66	402
Sparrow Lake.....	W1D1	34.34	255	34.64	279
Uxbridge.....	W11D1	62.15	230	62.15	209
MUSKOKA DISTRICT					
Baumaris.....	M7D1	29.25	252	36.84	305
Baysville.....	M10D1	32.23	150	32.35	172
Gravenhurst.....	M4D1	2.90	21	3.04	23
Huntsville.....	M2D1	28.70	106	33.39	130
Utterson.....	M8D1	21.61	127	21.75	133
BALA DISTRICT					
Bala.....	GB13D1	41.27	252	41.27	260

*The figures shown in this column include guarantee contracts.

†The figures shown in this column do not include guarantee contracts.

DETAILS OF CONSTRUCTION IN RURAL POWER DISTRICTS—Continued

Rural power district	Property number	At October 31, 1934		At October 31, 1935	
		Miles of primary line constructed	Number of consumers receiving service*	Miles of primary line constructed	Number of consumers receiving service†
EASTERN ONTARIO SYSTEM					
CENTRAL ONTARIO DISTRICT					
Belleville.....	C38D1	85.00	694	86.05	710
Bowmanville.....	C23D1	29.16	132	34.22	149
Brighton.....	C6D1	10.65	62	11.55	68
Campbellford.....	C11D1	21.59	81	22.29	82
Cobourg.....	C13D1	97.22	484	105.85	506
Colborne.....	C7D1	36.75	222	38.28	218
Fenelon Falls.....	C30D1	24.24	140	33.10	186
Kingston.....	C44D1	122.49	765	138.54	810
Lakefield.....	C18D1	28.59	112	28.94	110
Lindsay.....	C29D1	21.35	137	21.83	156
Millbrook.....	C25D1	20.73	129	21.93	134
Napanee.....	C43D1	110.22	548	112.10	553
Newcastle.....	C22D1	29.45	129	30.45	132
Norwood.....	C31D1	8.03	63	8.03	65
Oshawa.....	C24D1	117.86	1,552	129.86	1,682
Omeme.....	C26D1	5.22	11	5.22	8
Peterboro.....	C20D1	63.84	1,108	66.93	1,155
Stirling.....	C35D1	27.81	114	27.81	115
Trenton.....	C3D1	42.82	206	45.99	217
Warkworth.....	C49D1	0.40	6	0.77	8
Wellington.....	C45D1	90.61	399	111.65	431
ST. LAWRENCE DISTRICT					
Alexandria.....	L15D1	20.33	107	20.40	107
Brockville.....	L3D1	99.17	673	99.36	685
Chesterville.....	L5D1	47.82	353	52.14	369
Iroquois.....	L9D1	90.42	437	91.16	461
Martintown.....	L13D1	23.66	145	24.29	147
Maxville.....	L14D2	62.07	394	62.64	411
Prescott.....	L2D1	37.07	206	37.07	202
Williamsburg.....	L7D1	17.95	108	17.95	112
RIDEAU DISTRICT					
Carleton Place.....	H5D1	0.50	2	0.50	1
Kemptville.....	H9D1	5.43	44	5.43	47
Perth.....	H2D1	15.92	76	16.11	82
Smiths Falls.....	H3D1	55.55	364	70.14	407
MADAWASKA DISTRICT					
Arnprior.....	QM10D1	4.97	53	5.72	59
Renfrew.....	QM16D1	6.24	10	9.49	63
OTTAWA DISTRICT					
Nepean.....	T1D1	183.84	1,127	185.79	1,197

*The figures shown in this column include guarantee contracts.

†The figures shown in this column do not include guarantee contracts.

DETAILS OF CONSTRUCTION IN RURAL POWER DISTRICTS—Concluded

Rural power district	Property number	At October 31, 1934		At October 31, 1935	
		Miles of primary line constructed	Number of consumers receiving service*	Miles of primary line constructed	Number of consumers receiving service†
MANITOULIN RURAL POWER DISTRICT					
Manitoulin.....	FM1D1	37.25	184	37.25	176
NORTHERN ONTARIO PROPERTIES					
NIPISSING DISTRICT					
North Bay.....	Z4D1	11.37	340	14.87	411
Powassan.....	Z8D1	3.25	12	3.25	15

*The figures shown in this column include guarantee contracts.
†The figures shown in this column do not include guarantee contracts.

INDEX

A	
Abitibi Canyon Gen. Sta.—Power Generated.....	8
Completion of Development.....	88
Abitibi District (See Northern Ontario Properties)—Power Generated.....	8
Operation of.....	52
Diagram of Peak Loads.....	53
Transmission.....	53
Transformation.....	54
Load of Municipality.....	57
Municipal Work.....	63
Hydraulic Construction.....	88
Electrical Engineering and Constr.....	99
Transmission Lines.....	107
Operating and Income Accounts.....	253
Fixed Assets.....	254
Renewals Reserves.....	257
Abitibi Power & Paper Company—Power Purchased.....	9
Accounts, Explanatory Statement Respecting.....	135
Accounts Receivable.....	154
Acton—Load in Horsepower.....	26
Cost of Power.....	166
Credit or Charge Account.....	190
Sinking Fund.....	202
*Municipal Accounts:	
A. Balance Sheet.....	284
B. Detailed Operating Report.....	330
*Statements:	
C. Street Lighting Installation.....	376
D. Consumers, Consumption, Bills, etc.....	404
E. Cost of Power and Rates for Service.....	416
Acton Rural Power District—Load in Horsepower.....	29
Miles of Line, Consumers and Rates.....	80
Cost of Power.....	174
Rural Operating.....	186
Credit or Charge Account.....	196
Sinking Fund.....	204
Details of Construction in.....	493
Acts.....	1, 431
Administration Building.....	102
Inspection of Material for.....	118
Agincourt—Load in Horsepower.....	26
Cost of Power.....	166
Credit or Charge Account.....	190
Sinking Fund.....	202
Municipal Accounts.....	A, 284; B, 330
Statements.....	C, 376; D, 404; E, 416
Agreements Approved.....	1
Ailsa Craig—Load in Horsepower.....	26
Cost of Power.....	166
Credit or Charge Account.....	190
Sinking Fund.....	202
Municipal Accounts.....	A, 284; B, 330
Statements.....	C, 376; D, 404; E, 416
Ailsa Craig Rural Power District—Load in Horsepower.....	29
Miles of Line, Consumers and Rates.....	80
Cost of Power.....	174
Rural Operating.....	186
Credit or Charge Account.....	196
Sinking Fund.....	204
Details of Construction in.....	493
Alexander Gen. Sta.—Power Generated.....	8
Alexandria—Load in Horsepower.....	43
Municipal Work.....	61
Cost of Power.....	224
Credit or Charge Account.....	234
Sinking Fund.....	238
Municipal Accounts.....	A, 320; B, 366
Statements.....	C, 376; D, 404; E, 416
Alexandria Rural Power District—Load in Horsepower.....	44
Miles of Line, Consumers and Rates.....	84
Cost of Power.....	226
Rural Operating.....	232
Credit or Charge Account.....	236
Sinking Fund.....	238
Details of Construction in.....	496
Alliston—Load in Horsepower.....	34
Cost of Power.....	206
Credit or Charge Account.....	216
Sinking Fund.....	222
Municipal Accounts.....	A, 311; B, 357
Statements.....	C, 376; D, 404; E, 416
Alliston Rural Power District—Load in Horsepower.....	35
Miles of Line, Consumers and Rates.....	83
Cost of Power.....	208
Rural Operating.....	214
Credit or Charge Account.....	218
Sinking Fund.....	222
Details of Construction in.....	495
Alvinston—Load in Horsepower.....	26
Cost of Power.....	166
Credit or Charge Account.....	190
Sinking Fund.....	202
Municipal Accounts.....	A, 284; B, 330
Statements.....	C, 376; D, 404; E, 416
Alvinston Rural Power District—Load in Horsepower.....	29
Miles of Line, Consumers and Rates.....	80
Cost of Power.....	174
Rural Operating.....	186
Credit or Charge Account.....	196
Sinking Fund.....	204
Details of Construction in.....	493
Ameliasburg Township, Agreement Approved.....	1

*The Statements "A", "B", "C", "D" and "E", appertaining to the local municipal electric utilities—and given in Section X of the Report—are detailed individually for Acton, but in the case of other municipalities are grouped under the sub-heading of "Municipal Accounts" with reference to Statements "A" and "B", and under the sub-heading "Statements" with reference to Statements "C", "D" and "E".

NOTE:—For Townships that are served as parts of rural power districts consult the name of the rural power district or, for the respective systems, the "Cost of Power" tables of Section IX.

Amherstburg—Load in Horsepower.....	26
Municipal Work.....	58
Cost of Power.....	166
Credit or Charge Account.....	190
Sinking Fund.....	202
Municipal Accounts..... A, 284; B, 330	
Statements..... C, 376; D, 400; E, 416	
Amherstburg Rural Power District—	
Load in Horsepower.....	29
Miles of Line, Consumers and Rates.....	80
Cost of Power.....	174
Rural Operating.....	186
Credit or Charge Account.....	198
Sinking Fund.....	204
Details of Construction in.....	493
Ancaster Township—Load in Horse-	
power.....	26
Cost of Power.....	166
Credit or Charge Account.....	190
Sinking Fund.....	202
Municipal Accounts..... A, 285; B, 331	
Statements..... C, 376; D, 404; E, 416	
Annual Report, Guide to.....	xxxii
Anson and Hindon Township, Agree-	
ment Approved.....	1
Apple Hill—Load in Horsepower.....	43
Cost of Power.....	224
Credit or Charge Account.....	234
Sinking Fund.....	238
Municipal Accounts..... A, 320; B, 366	
Statements..... C, 376; D, 404; E, 416	
Approvals Laboratory.....	126
Arkona—Load in Horsepower.....	26
Cost of Power.....	166
Credit or Charge Account.....	190
Sinking Fund.....	202
Municipal Accounts..... A, 285; B, 331	
Statements..... C, 376; D, 404; E, 416	
Arnprior Rural Power District—Miles	
of Line, Consumers and Rates.....	84
Cost of Power.....	226
Rural Operating.....	232
Credit or Charge Account.....	236
Sinking Fund.....	238
Details of Construction in.....	496
Arthur—Load in Horsepower.....	34
Cost of Power.....	206
Credit or Charge Account.....	216
Sinking Fund.....	222
Municipal Accounts..... A, 311; B, 357	
Statements..... C, 376; D, 404; E, 416	
Arthur Rural Power District—Load in	
Horsepower.....	35
Miles of Line, Consumers and Rates.....	83
Cost of Power.....	208
Rural Operating.....	214
Credit or Charge Account.....	218
Sinking Fund.....	222
Details of Construction in.....	495
Assets, Fixed—Re Hydro-Electric Power	
Commission.....	148
Re Northern Ontario Properties.....	254
Athens—Load in Horsepower.....	43
Cost of Power.....	224
Credit or Charge Account.....	234
Sinking Fund.....	238
Municipal Accounts..... A, 320; B, 366	
Statements..... C, 376; D, 404; E, 416	

Auburn Gen. Sta.—Power Generated.....	8
Aurora—Load in Horsepower.....	26
Aylmer—Load in Horsepower.....	26
Cost of Power.....	166
Credit or Charge Account.....	190
Sinking Fund.....	202
Municipal Accounts..... A, 285; B, 331	
Statements..... C, 376; D, 404; E, 416	
Aylmer Rural Power District—Load in	
Horsepower.....	29
Miles of Line, Consumers and Rates.....	80
Cost of Power.....	174
Rural Operating.....	186
Credit or Charge Account.....	198
Sinking Fund.....	204
Details of Construction in.....	493
Ayr—Load in Horsepower.....	26
Cost of Power.....	166
Credit or Charge Account.....	190
Sinking Fund.....	202
Municipal Accounts..... A, 285; B, 331	
Statements..... C, 376; D, 404; E, 416	
Ayr Rural Power District—Load in	
Horsepower.....	29
Miles of Line, Consumers and Rates.....	80
Cost of Power.....	174
Rural Operating.....	186
Credit or Charge Account.....	198
Sinking Fund.....	204
Details of Construction in.....	493

B

Baden—Load in Horsepower.....	26
Cost of Power.....	166
Credit or Charge Account.....	190
Sinking Fund.....	202
Municipal Accounts..... A, 285; B, 331	
Statements..... C, 376; D, 404; E, 416	
Baden Rural Power District—Load in	
Horsepower.....	29
Miles of Line, Consumers and Rates.....	80
Cost of Power.....	174
Rural Operating.....	186
Credit or Charge Account.....	198
Sinking Fund.....	204
Details of Construction in.....	493
Bala—Load in Horsepower.....	34
Bala No. 1 and 2 Gen. Sta.—Power	
Generated.....	8
Bala Rural Power District—Load in	
Horsepower.....	35
Miles of Line, Consumers and Rates.....	83
Cost of Power.....	208
Rural Operating.....	214
Credit or Charge Account.....	218
Sinking Fund.....	222
Details of Construction in.....	495
Balance Sheet—	
Re Hydro-Electric Power Commission	142
Re Northern Ontario Properties.....	250
Re Hamilton Street Railway.....	260
Re Guelph Radial Railway.....	264
Barrie—Load in Horsepower.....	34
Cost of Power.....	206
Credit or Charge Account.....	216
Sinking Fund.....	222
Municipal Accounts..... A, 311; B, 357	
Statements..... C, 377; D, 400; E, 416	

Barrie Rural Power District—Load in	
Horsepower.....	35
Miles of Line, Consumers and Rates.....	83
Cost of Power.....	208
Rural Operating.....	214
Credit or Charge Account.....	218
Sinking Fund.....	222
Details of Construction in.....	495
Bath—Load in Horsepower.....	43
Cost of Power.....	224
Credit or Charge Account.....	234
Sinking Fund.....	238
Municipal Accounts..... A, 320; B, 366	
Statements..... C, 377; D, 404; E, 416	
Baysville Rural Power District—Load	
in Horsepower.....	35
Miles of Line, Consumers and Rates.....	83
Cost of Power.....	208
Rural Operating.....	214
Credit or Charge Account.....	218
Sinking Fund.....	222
Details of Construction in.....	495
Beach Estate, M.F.—Power Purchased.....	9
Beachville—Load in Horsepower.....	26
Cost of Power.....	166
Credit or Charge Account.....	190
Sinking Fund.....	202
Municipal Accounts..... A, 285; B, 331	
Statements..... C, 377; D, 404; E, 416	
Beamsville Rural Power District—Load	
in Horsepower.....	29
Miles of Line, Consumers and Rates.....	80
Rural Line Construction.....	112
Cost of Power.....	176
Rural Operating.....	186
Credit or Charge Account.....	198
Sinking Fund.....	204
Details of Construction in.....	493
Beauharnois Light, Heat & Power	
Company—Power Purchased.....	9
Agreement with.....	454
Beaumaris Rural Power District—Load	
in Horsepower.....	35
Miles of Line, Consumers and Rates.....	83
Cost of Power.....	208
Rural Operating.....	214
Credit or Charge Account.....	218
Sinking Fund.....	222
Details of Construction in.....	495
Beaverton—Load in Horsepower.....	34
Cost of Power.....	206
Credit or Charge Account.....	216
Sinking Fund.....	222
Municipal Accounts..... A, 311; B, 357	
Statements..... C, 377; D, 404; E, 416	
Beaverton Rural Power District—Load	
in Horsepower.....	35
Miles of Line, Consumers and Rates.....	83
Cost of Power.....	208
Rural Operating.....	214
Credit or Charge Account.....	218
Sinking Fund.....	222
Details of Construction in.....	495
Beeton—Load in Horsepower.....	34
Cost of Power.....	206
Credit or Charge Account.....	216
Sinking Fund.....	222
Municipal Accounts..... A, 311; B, 357	
Statements..... C, 377; D, 404; E, 416	

Beeton Rural Power District—Load in	
Horsepower.....	35
Miles of Line, Consumers and Rates.....	83
Cost of Power.....	208
Rural Operating.....	214
Credit or Charge Account.....	218
Sinking Fund.....	222
Details of Construction in.....	495
Belle River—Load in Horsepower.....	26
Cost of Power.....	166
Credit or Charge Account.....	190
Sinking Fund.....	202
Municipal Accounts..... A, 285; B, 331	
Statements..... C, 377; D, 404; E, 416	
Belle River Rural Power District—Load	
in Horsepower.....	29
Miles of Line, Consumers and Rates.....	80
Cost of Power.....	176
Rural Operating.....	186
Credit or Charge Account.....	198
Sinking Fund.....	204
Details of Construction in.....	493
Belleville—Load in Horsepower.....	43
Cost of Power.....	224
Credit or Charge Account.....	234
Sinking Fund.....	238
Municipal Accounts..... A, 320; B, 366	
Statements..... C, 377; D, 400; E, 416	
Belleville Rural Power District—Load in	
Horsepower.....	44
Miles of Line, Consumers and Rates.....	84
Cost of Power.....	226
Rural Operating.....	232
Credit or Charge Account.....	236
Sinking Fund.....	238
Details of Construction in.....	496
Big Chute Gen. Sta.—Power Generated.....	8
Bingham Chute Gen. Sta.—Power Gen-	
erated.....	8
Blenheim—Load in Horsepower.....	26
Cost of Power.....	166
Credit or Charge Account.....	190
Sinking Fund.....	202
Municipal Accounts..... A, 285; B, 331	
Statements..... C, 377; D, 404; E, 416	
Blenheim Rural Power District—Load	
in Horsepower.....	29
Miles of Line, Consumers and Rates.....	80
Cost of Power.....	176
Rural Operating.....	186
Credit or Charge Account.....	198
Sinking Fund.....	204
Details of Construction in.....	493
Bloomfield—Load in Horsepower.....	43
Cost of Power.....	224
Credit or Charge Account.....	234
Sinking Fund.....	238
Municipal Accounts..... A, 321; B, 367	
Statements..... C, 377; D, 404; E, 416	
Blyth—Load in Horsepower.....	26
Cost of Power.....	166
Credit or Charge Account.....	190
Sinking Fund.....	202
Municipal Accounts..... A, 286; B, 332	
Statements..... C, 377; D, 404; E, 416	
Bolton—Load in Horsepower.....	26
Cost of Power.....	166
Credit or Charge Account.....	190
Sinking Fund.....	202
Municipal Accounts..... A, 286; B, 332	
Statements..... C, 377; D, 404; E, 416	

Bond Lake Rural Power District—Load in Horsepower.....	29
Miles of Line, Consumers and Rates....	80
Cost of Power.....	176
Rural Operating.....	186
Credit or Charge Account.....	198
Sinking Fund.....	204
Details of Construction in.....	493
Bothwell—Load in Horsepower.....	26
Cost of Power.....	166
Credit or Charge Account.....	190
Sinking Fund.....	202
Municipal Accounts..... A, 286; B, 332	
Statements..... C, 377; D, 404; E, 416	
Bothwell Rural Power District—Load in Horsepower.....	29
Miles of Line, Consumers and Rates....	80
Cost of Power.....	176
Rural Operating.....	186
Credit or Charge Account.....	198
Sinking Fund.....	204
Details of Construction in.....	493
Bowmanville—Load in Horsepower.....	43
Cost of Power.....	224
Credit or Charge Account.....	234
Sinking Fund.....	238
Municipal Accounts..... A, 321; B, 367	
Statements..... C, 377; D, 400; E, 416	
Bowmanville Rural Power District—Load in Horsepower.....	44
Miles of Line, Consumers and Rates....	84
Rural Line Construction.....	115
Cost of Power.....	226
Rural Operating.....	232
Credit or Charge Account.....	236
Sinking Fund.....	238
Details of Construction in.....	496
Bradford—Load in Horsepower.....	34
Cost of Power.....	206
Credit or Charge Account.....	216
Sinking Fund.....	222
Municipal Accounts..... A, 311; B, 357	
Statements..... C, 377; D, 404; E, 416	
Bradford Rural Power District—Load in Horsepower.....	35
Miles of Line, Consumers and Rates....	83
Cost of Power.....	208
Rural Operating.....	214
Credit or Charge Account.....	218
Sinking Fund.....	222
Details of Construction in.....	495
Brampton—Load in Horsepower.....	26
Cost of Power.....	166
Credit or Charge Account.....	190
Sinking Fund.....	202
Municipal Accounts..... A, 286; B, 332	
Statements..... C, 377; D, 400; E, 416	
Brampton Rural Power District—Load in Horsepower.....	29
Miles of Line, Consumers and Rates....	80
Cost of Power.....	176
Rural Operating.....	186
Credit or Charge Account.....	198
Sinking Fund.....	204
Details of Construction in.....	493
Brant District—Transformer and Distributing Stations.....	96

Brant Rural Power District—Load in Horsepower.....	29
Miles of Line, Consumers and Rates....	80
Rural Line Construction.....	112
Cost of Power.....	176
Rural Operating.....	186
Credit or Charge Account.....	198
Sinking Fund.....	204
Details of Construction in.....	493
Brantford—Load in Horsepower.....	26
Cost of Power.....	166
Credit or Charge Account.....	190
Sinking Fund.....	202
Municipal Accounts..... A, 286; B, 332	
Statements..... C, 377; D, 400; E, 416	
Brantford Township—Load in Horsepower.....	26
Cost of Power.....	166
Credit or Charge Account.....	190
Sinking Fund.....	202
Municipal Accounts..... A, 287; B, 333	
Statements..... C, 378; D, 404; E, 416	
Brechin—Load in Horsepower.....	34
Cost of Power.....	206
Credit or Charge Account.....	216
Sinking Fund.....	222
Rural Lines.....	223
Municipal Accounts..... A, 311; B, 357	
Statements..... C, 378; D, 404; E, 416	
Bridgeport—Load in Horsepower.....	26
Cost of Power.....	166
Credit or Charge Account.....	190
Sinking Fund.....	202
Municipal Accounts..... A, 287; B, 333	
Statements..... C, 378; D, 404; E, 416	
Brigden—Load in Horsepower.....	26
Cost of Power.....	166
Credit or Charge Account.....	190
Sinking Fund.....	202
Municipal Accounts..... A, 287; B, 333	
Statements..... C, 378; D, 404; E, 416	
Brigden Rural Power District—Load in Horsepower.....	29
Miles of Line, Consumers and Rates....	80
Cost of Power.....	176
Rural Operating.....	186
Credit or Charge Account.....	198
Sinking Fund.....	204
Details of Construction in.....	493
Brighton—Load in Horsepower.....	43
Cost of Power.....	224
Credit or Charge Account.....	234
Sinking Fund.....	238
Municipal Accounts..... A, 321; B, 367	
Statements..... C, 378; D, 404; E, 416	
Brighton Rural Power District—Load in Horsepower.....	44
Miles of Line, Consumers and Rates....	84
Cost of Power.....	226
Rural Operating.....	232
Credit or Charge Account.....	236
Sinking Fund.....	238
Details of Construction in.....	496
Brockville—Load in Horsepower.....	43
Cost of Power.....	224
Credit or Charge Account.....	234
Sinking Fund.....	238
Municipal Accounts..... A, 321; B, 367	
Statements..... C, 378; D, 400; E, 416	

Brockville Rural Power District—Load in Horsepower.....	44	Cameron Falls Gen. Sta.—Power Generated.....	8
Miles of Line, Consumers and Rates....	84	Campbellford Rural Power District—Load in Horsepower.....	44
Cost of Power.....	226	Miles of Line, Consumers and Rates....	84
Rural Operating.....	232	Cost of Power.....	226
Credit or Charge Account.....	236	Rural Operating.....	232
Sinking Fund.....	238	Credit or Charge Account.....	236
Details of Construction in.....	496	Sinking Fund.....	238
Bruce Rural Power District—Load in Horsepower.....	35	Details of Construction in.....	496
Miles of Line, Consumers and Rates....	83	Campbellford Water and Light Commission—Power Purchased.....	9
Cost of Power.....	210	Campbellville—Load in Horsepower.....	26
Rural Operating.....	214	Cost of Power.....	166
Credit or Charge Account.....	218	Credit or Charge Account.....	190
Sinking Fund.....	222	Sinking Fund.....	202
Details of Construction in.....	495	Municipal Accounts.....	A, 287; B, 333
Brussels—Load in Horsepower.....	26	Statements.....	C, 378; D, 404; E, 418
Cost of Power.....	166	Camp Borden—Load in Horsepower.....	34
Credit or Charge Account.....	190	Canadian Niagara Power Company—Power Purchased.....	9
Sinking Fund.....	202	Cannington—Load in Horsepower.....	34
Municipal Accounts.....	A, 287; B, 333	Cost of Power.....	206
Statements.....	C, 378; D, 404; E, 416	Credit or Charge Account.....	216
Buckskin Rural Power District—Load in Horsepower.....	36	Sinking Fund.....	222
Miles of Line, Consumers and Rates....	83	Municipal Accounts.....	A, 311; B, 357
Cost of Power.....	208	Statements.....	C, 378; D, 406; E, 418
Rural Operating.....	214	Cannington Rural Power District—Load in Horsepower.....	36
Credit or Charge Account.....	218	Miles of Line, Consumers and Rates....	83
Sinking Fund.....	222	Cost of Power.....	210
Details of Construction in.....	495	Rural Operating.....	214
Burford—Load in Horsepower.....	26	Credit or Charge Account.....	218
Cost of Power.....	166	Sinking Fund.....	222
Credit or Charge Account.....	190	Details of Construction in.....	495
Sinking Fund.....	202	Capital Expenditures — Decrease in annual interest charges.....	v
Municipal Accounts.....	A, 287; B, 333	Rural Power Districts.....	153
Statements.....	C, 378; D, 404; E, 416	Capital Investments.....	xvii
Burford Rural Power District—Load in Horsepower.....	30	Twenty-Five Years' Record.....	xxix
Miles of Line, Consumers and Rates....	80	Capreol—Contracts for supply of power	62
Cost of Power.....	176	Cardinal—Load in Horsepower.....	43
Rural Operating.....	186	Cost of Power.....	224
Credit or Charge Account.....	198	Credit or Charge Account.....	234
Sinking Fund.....	204	Sinking Fund.....	238
Details of Construction in.....	493	Municipal Accounts.....	A, 321; B, 367
Burgessville—Load in Horsepower.....	26	Statements.....	C, 378; D, 406; E, 418
Cost of Power.....	166	Carleton Place—Load in Horsepower.....	43
Credit or Charge Account.....	190	Cost of Power.....	224
Sinking Fund.....	202	Credit or Charge Account.....	234
Municipal Accounts.....	A, 287; B, 333	Sinking Fund.....	238
Statements.....	C, 378; D, 404; E, 416	Municipal Accounts.....	A, 321; B, 367
Burlington—Municipal Work.....	58	Statements.....	C, 378; D, 400; E, 418
		Carleton Place Gen. Sta.—Power Generated.....	8
		Carleton Place Rural Power District—Miles of Line, Consumers and Rates	84
		Cost of Power.....	226
		Rural Operating.....	232
		Credit or Charge Account.....	236
		Sinking Fund.....	238
		Details of Construction in.....	496
		Cayuga—Load in Horsepower.....	26
		Cost of Power.....	166
		Credit or Charge Account.....	190
		Sinking Fund.....	202
		Municipal Accounts.....	A, 288; B, 334
		Statements.....	C, 378; D, 406; E, 418
		Cedar Rapids Power Company—Power Purchased.....	9
Calabogie Gen. Sta.—Power Generated..	8		
Caledonia—Load in Horsepower.....	26		
Cost of Power.....	166		
Credit or Charge Account.....	190		
Sinking Fund.....	202		
Municipal Accounts.....	A, 287; B, 333		
Statements.....	C, 378; D, 404; E, 418		
Caledonia Rural Power District—Load in Horsepower.....	30		
Miles of Line, Consumers and Rates....	80		
Cost of Power.....	176		
Rural Operating.....	186		
Credit or Charge Account.....	198		
Sinking Fund.....	204		
Details of Construction in.....	493		
Callander—Load in Horsepower.....	57		

C

Central Ontario District—(See Eastern Ontario System)—Electrical Engineering and Construction.....	95, 98	Rural Operating.....	186
Transmission Lines.....	106	Credit or Charge Account.....	198
Chatham—Load in Horsepower.....	26	Sinking Fund.....	204
Municipal Work.....	59	Details of Construction in.....	493
Cost of Power.....	166	Clifford—Load in Horsepower.....	26
Credit or Charge Account.....	190	Cost of Power.....	166
Sinking Fund.....	202	Credit or Charge Account.....	190
Municipal Accounts.....	A, 288; B, 334	Sinking Fund.....	202
Statements.....	C, 378; D, 400; E, 418	Municipal Accounts.....	A, 288; B, 334
Chatham Rural Power District—Load in Horsepower.....	30	Statements.....	C, 379; D, 406; E, 418
Miles of Line, Consumers and Rates.....	80	Clinton—Load in Horsepower.....	26
Cost of Power.....	176	Cost of Power.....	166
Rural Operating.....	186	Credit or Charge Account.....	190
Credit or Charge Account.....	198	Sinking Fund.....	202
Sinking Fund.....	204	Municipal Accounts.....	A, 288; B, 334
Details of Construction in.....	493	Statements.....	C, 379; D, 406; E, 418
Chats Falls Gen. Sta.—Power Generated.....	8	Clinton Rural Power District—Load in Horsepower.....	30
Operation of.....	20	Miles of Line, Consumers and Rates.....	80
Hydraulic Construction.....	87	Rural Line Construction.....	112
Electrical Engineering.....	93	Cost of Power.....	176
Chatsworth—Load in Horsepower.....	34	Rural Operating.....	186
Cost of Power.....	206	Credit or Charge Account.....	198
Credit or Charge Account.....	216	Sinking Fund.....	204
Sinking Fund.....	222	Details of Construction in.....	493
Municipal Accounts.....	A, 312; B, 358	Cobden—Load in Horsepower.....	44
Statements.....	C, 379; D, 406; E, 418	Municipal Accounts.....	A, 321; B, 367
Chatsworth Rural Power District—Load in Horsepower.....	36	Statements.....	C, 379; D, 406; E, 418
Miles of Line, Consumers and Rates.....	83	Cobourg—Load in Horsepower.....	43
Cost of Power.....	210	Cost of Power.....	224
Rural Operating.....	214	Credit or Charge Account.....	234
Credit or Charge Account.....	218	Sinking Fund.....	238
Sinking Fund.....	222	Municipal Accounts.....	A, 322; B, 368
Details of Construction in.....	495	Statements.....	C, 379; D, 400; E, 418
Chesley—Load in Horsepower.....	34	Cobourg Rural Power District—Load in Horsepower.....	44
Cost of Power.....	206	Miles of Line, Consumers and Rates.....	84
Credit or Charge Account.....	216	Rural Line Construction.....	115
Sinking Fund.....	222	Cost of Power.....	226
Municipal Accounts.....	A, 312; B, 358	Rural Operating.....	232
Statements.....	C, 379; D, 406; E, 418	Credit or Charge Account.....	236
Chesterville—Load in Horsepower.....	43	Sinking Fund.....	238
Cost of Power.....	224	Details of Construction in.....	496
Credit or Charge Account.....	234	Colborne—Load in Horsepower.....	43
Sinking Fund.....	238	Cost of Power.....	224
Municipal Accounts.....	A, 321; B, 367	Credit or Charge Account.....	234
Statements.....	C, 379; D, 406; E, 418	Sinking Fund.....	238
Chesterville Rural Power District—Load in Horsepower.....	44	Municipal Accounts.....	A, 322; B, 368
Miles of Line, Consumers and Rates.....	84	Statements.....	C, 379; D, 406; E, 418
Cost of Power.....	226	Colborne Rural Power District—Load in Horsepower.....	44
Rural Operating.....	232	Miles of Line, Consumers and Rates.....	84
Credit or Charge Account.....	236	Cost of Power.....	226
Sinking Fund.....	238	Rural Operating.....	232
Details of Construction in.....	496	Credit or Charge Account.....	236
Coldwater—Load in Horsepower.....	34	Sinking Fund.....	238
Cost of Power.....	206	Details of Construction in.....	496
Credit or Charge Account.....	216	Chippawa—Load in Horsepower.....	26
Sinking Fund.....	222	Cost of Power.....	166
Municipal Accounts.....	A, 312; B, 358	Credit or Charge Account.....	190
Statements.....	C, 379; D, 406; E, 418	Sinking Fund.....	202
Collingwood—Load in Horsepower.....	34	Municipal Accounts.....	A, 288; B, 334
Cost of Power.....	206	Statements.....	C, 379; D, 406; E, 418
Credit or Charge Account.....	216	Chippawa Rural Power District—Load in Horsepower.....	30
Sinking Fund.....	222	Miles of Line, Consumers and Rates.....	80
Municipal Accounts.....	A, 312; B, 358	Cost of Power.....	176
Statements.....	C, 379; D, 400; E, 418		

Comber—Load in Horsepower.....	26	Sinking Fund.....	202
Cost of Power.....	166	Municipal Accounts.....	A, 289; B, 335
Credit or Charge Account.....	190	Statements.....	C, 379; D, 406; E, 418
Sinking Fund.....	202	Debentures (See under Funded Debt).....	156
Municipal Accounts.....	A, 289; B, 335	DeCew Falls Gen. Sta.—Power Generated.....	8
Statements.....	C, 379; D, 406; E, 418	Delaware—Load in Horsepower.....	26
Concrete, Inspection of.....	119	Cost of Power.....	166
Investigation of.....	121	Credit or Charge Account.....	190
Conductors, Vibration of Transmission Line.....	122	Sinking Fund.....	202
Coniston Gen. Sta.—Power Generated....	8	Municipal Accounts.....	A, 289; B, 335
Consumers, Number of, Consult Statements "B" and "D".....	330, 396	Statements.....	C, 379; D, 406; E, 418
Consumption, Energy. Consult Statement "D".....	396	Delaware Rural Power District—Load in Horsepower.....	30
Contingencies Reserve, withdrawals from.....	vii	Miles of Line, Consumers and Rates....	81
Contracts, Act Respecting.....	431	Cost of Power.....	176
Cookstown—Load in Horsepower.....	34	Rural Operating.....	186
Cost of Power.....	206	Credit or Charge Account.....	198
Credit or Charge Account.....	216	Sinking Fund.....	204
Sinking Fund.....	222	Details of Construction in.....	493
Municipal Accounts.....	A, 312; B, 358	Deseronto—Load in Horsepower.....	43
Statements.....	C, 379; D, 406; E, 418	Cost of Power.....	224
Cookstown Rural Power District—Load in Horsepower.....	36	Credit or Charge Account.....	234
Miles of Line, Consumers and Rates....	83	Sinking Fund.....	238
Cost of Power.....	210	Municipal Accounts.....	A, 322; B, 368
Rural Operating.....	214	Statements.....	C, 379; D, 406; E, 418
Credit or Charge Account.....	218	Distribution.....	24
Sinking Fund.....	222	Distribution Feeder Construction.....	114
Details of Construction in.....	495	Distribution Lines and Systems.....	110, 492
Co-Operative Systems—Financial Operations Explained.....	135	Distribution Systems.....	103
Corporations, Agreements Approved.....	1	Domestic Service, Statistics re—Consult Statement "D".....	396
Cost Distributions, Table of.....	146	Rates for, Consult Statement "E".....	414
Cost of Power. Consult under Names of Systems and Municipalities.....	146	Dominion Power & Transmission Division—Diagram of Stations.....	25
Cottam—Load in Horsepower.....	26	Dominion Power Steam Station, Hamilton—Operation of.....	22
Cost of Power.....	166	Dorchester—Load in Horsepower.....	26
Credit or Charge Account.....	190	Cost of Power.....	166
Sinking Fund.....	202	Credit or Charge Account.....	190
Municipal Accounts.....	A, 289; B, 335	Sinking Fund.....	202
Statements.....	C, 379; D, 406; E, 418	Municipal Accounts.....	A, 289; B, 335
Courtright—Load in Horsepower.....	26	Statements.....	C, 379; D, 406; E, 418
Cost of Power.....	166	Dorchester Rural Power District—Load in Horsepower.....	30
Credit or Charge Account.....	190	Miles of Line, Consumers and Rates....	81
Sinking Fund.....	202	Cost of Power.....	176
Municipal Accounts.....	A, 289; B, 335	Rural Operation.....	186
Statements.....	C, 379; D, 406; E, 418	Credit or Charge Account.....	198
Creemore—Load in Horsepower.....	34	Sinking Fund.....	204
Cost of Power.....	206	Details of Construction in.....	493
Credit or Charge Account.....	216	Drayton—Load in Horsepower.....	26
Sinking Fund.....	222	Cost of Power.....	166
Municipal Accounts.....	A, 313; B, 359	Credit or Charge Account.....	190
Statements.....	C, 379; D, 406; E, 418	Sinking Fund.....	202
Creemore Rural Power District—Load in Horsepower.....	36	Municipal Accounts.....	A, 289; B, 335
Miles of Line, Consumers and Rates....	83	Statements.....	C, 379; D, 406; E, 418
Cost of Power.....	210	Dresden—Load in Horsepower.....	26
Rural Operating.....	214	Cost of Power.....	166
Credit or Charge Account.....	218	Credit or Charge Account.....	190
Sinking Fund.....	222	Sinking Fund.....	202
Details of Construction in.....	495	Municipal Accounts.....	A, 289; B, 335
		Statements.....	C, 379; D, 406; E, 418
		Dresden Rural Power District—Load in Horsepower.....	30
		Miles of Line, Consumers and Rates....	81
		Cost of Power.....	176
		Rural Operating.....	186
		Credit or Charge Account.....	198
		Sinking Fund.....	204
		Details of Construction in.....	493

D

Dashwood—Load in Horsepower.....	26
Municipal Work.....	59
Cost of Power.....	166
Credit or Charge Account.....	190

Drumbo—Load in Horsepower.....	26
Cost of Power.....	166
Credit or Charge Account.....	190
Sinking Fund.....	202
Municipal Accounts..... A, 290; B, 336	
Statements..... C, 379; D, 406; E, 418	
Drumbo Rural Power District—Load in	
Horsepower.....	30
Miles of Line, Consumers and Rates.....	81
Cost of Power.....	176
Rural Operating.....	186
Credit or Charge Account.....	198
Sinking Fund.....	204
Details of Construction in.....	493
Dublin—Load in Horsepower.....	26
Cost of Power.....	168
Credit or Charge Account.....	190
Sinking Fund.....	202
Municipal Accounts..... A, 290; B, 336	
Statements..... C, 379; D, 406; E, 418	
Dundalk—Load in Horsepower.....	34
Cost of Power.....	206
Credit or Charge Account.....	216
Sinking Fund.....	222
Municipal Accounts..... A, 313; B, 359	
Statements..... C, 380; D, 406; E, 418	
Dundas—Load in Horsepower.....	26
Cost of Power.....	168
Credit or Charge Account.....	190
Sinking Fund.....	202
Municipal Accounts..... A, 290; B, 336	
Statements..... C, 380; D, 400; E, 418	
Dundas Rural Power District—Load in	
Horsepower.....	30
Miles of Line, Consumers and Rates.....	81
Rural Line Construction.....	112
Cost of Power.....	178
Rural Operating.....	186
Credit or Charge Account.....	198
Sinking Fund.....	204
Details of Construction in.....	493
Dunnville—Load in Horsepower.....	26
Cost of Power.....	168
Credit or Charge Account.....	190
Sinking Fund.....	202
Municipal Accounts..... A, 290; B, 336	
Statements..... C, 380; D, 400; E, 418	
Dunnville Rural Power District—Load	
in Horsepower.....	30
Miles of Line, Consumers and Rates.....	81
Cost of Power.....	178
Rural Operating.....	186
Credit or Charge Account.....	198
Sinking Fund.....	204
Details of Construction in.....	493
Durham—Load in Horsepower.....	34
Cost of Power.....	206
Credit or Charge Account.....	216
Sinking Fund.....	222
Municipal Accounts..... A, 313; B, 359	
Statements..... C, 380; D, 406; E, 418	
Dutton—Load in Horsepower.....	26
Cost of Power.....	168
Credit or Charge Account.....	190
Sinking Fund.....	202
Municipal Accounts..... A, 290; B, 336	
Statements..... C, 380; D, 406; E, 418	

Dutton Rural Power District—Load in	
Horsepower.....	30
Miles of Line, Consumers and Rates.....	81
Cost of Power.....	178
Rural Operating.....	186
Credit or Charge Account.....	198
Sinking Fund.....	204
Details of Construction in.....	493

E

Ear Falls Gen. Sta.—Power Generated....	8
Easements.....	2
Eastern Ontario System—Comparative	
Financial Statements, Seven Years. xiv	
Summary Statements Respecting	
Utilities.....	xx
Generating Plants—Power Generated..	8
Operation of.....	36
Diagram of Peak Loads.....	37
Generating Stations.....	38
Loads of Municipalities.....	43
Rural Power District Loads.....	44
Municipal Work.....	61
Rural Power Districts, Miles of Line,	
Consumers and Rates.....	84
Hydraulic Construction.....	88
Electrical Engineering and Constr.....	97
Transmission Lines.....	105
Rural Line Construction.....	115
Distribution Feeder Construction.....	115
Operating and Income Accounts.....	144
Cost Distribution Summary.....	146
Fixed Assets.....	150
Power Accounts Receivable.....	154
Funded Debt.....	156
Renewals Reserves.....	159
Obsolescence and Contingencies Re-	
serve.....	161
Sinking Fund Reserves.....	163
Cost of Power Table.....	224
Rural Operating Report.....	232
Credit or Charge Table.....	234
Sinking Fund Equities.....	238
Main Transmission Lines Data.....	488
Telephone Lines.....	490
Rural Power Districts, Summary of	
Construction in.....	492
East Hawkesbury Township, Agree-	
ment Approved.....	1
East Windsor—Load in Horsepower.....	26
Cost of Power.....	168
Credit or Charge Account.....	190
Sinking Fund.....	202
Municipal Accounts..... A, 291; B, 337	
Statements..... C, 380; D, 400; E, 418	
East York Township—Cost of Power.....	174
Credit or Charge Account.....	196
Sinking Fund.....	203
Municipal Accounts..... A, 291; B, 337	
Statements..... C, 380; D, 406; E, 418	
East Zorra Township, Agreement Ap-	
proved.....	1
Electrical Engineering and Construction..	92
Electrical Inspection Department.....	128
Electric Railways—Right-of-way.....	3
Operating Statistics.....	131
Funded Debt.....	156
Electrocutions.....	180

Elliott Chute Gen. Sta.—Power Generated.....	8	Espanola District (See also Northern Ontario Properties)	
Elmira—Load in Horsepower.....	26	Operation of.....	55
Municipal Work.....	59	Municipal Work.....	64
Cost of Power.....	168	Electrical Engineering and Constr.....	99
Credit or Charge Account.....	192	Transmission Lines.....	109
Sinking Fund.....	202	Operating and Income Accounts.....	253
Municipal Accounts.....A, 291; B, 337		Fixed Assets.....	255
Statements.....C, 380; D, 400; E, 418		Renewals Reserves.....	257
Elmira Rural Power District—Load in Horsepower.....	30	Obsolescence and Contingencies.....	257
Miles of Line, Consumers and Rates.....	81	Essex—Load in Horsepower.....	27
Cost of Power.....	178	Cost of Power.....	168
Rural Operating.....	186	Credit or Charge Account.....	192
Credit or Charge Account.....	198	Sinking Fund.....	202
Sinking Fund.....	204	Municipal Accounts.....A, 291; B, 337	
Details of Construction in.....	493	Statements.....C, 380; D, 406; E, 420	
Elmvale—Load in Horsepower.....	34	Essex Rural Power District—Load in Horsepower.....	30
Cost of Power.....	206	Miles of Line, Consumers and Rates.....	81
Credit or Charge Account.....	216	Cost of Power.....	178
Sinking Fund.....	222	Rural Operating.....	186
Municipal Accounts.....A, 313; B, 359		Credit or Charge Account.....	198
Statements.....C, 380; D, 406; E, 418		Sinking Fund.....	204
Elmvale Rural Power District—Load in Horsepower.....	36	Details of Construction in.....	493
Miles of Line, Consumers and Rates.....	83	Etobicoke Township—Load in Horsepower.....	27
Cost of Power.....	210	Cost of Power.....	168
Rural Operating.....	214	Credit or Charge Account.....	192
Credit or Charge Account.....	218	Sinking Fund.....	202
Sinking Fund.....	222	Municipal Accounts.....A, 292; B, 338	
Details of Construction in.....	495	Statements.....C, 380; D, 406; E, 420	
Elmwood—Load in Horsepower.....	34	Eugenia District—Electrical Engineering and Constr.....	97
Cost of Power.....	206	Transmission Lines.....	105
Credit or Charge Account.....	216	Eugenia Falls Gen. Sta.—Power Generated.....	8
Sinking Fund.....	222	Exeter—Load in Horsepower.....	27
Municipal Accounts.....A, 313; B, 359		Municipal Work.....	59
Statements.....C, 380; D, 406; E, 420		Cost of Power.....	168
Elora—Load in Horsepower.....	26	Credit or Charge Account.....	192
Cost of Power.....	168	Sinking Fund.....	202
Credit or Charge Account.....	192	Municipal Accounts.....A, 292; B, 338	
Sinking Fund.....	202	Statements.....C, 380; D, 406; E, 420	
Municipal Accounts.....A, 291; B, 337		Exeter Rural Power District—Load in Horsepower.....	30
Statements.....C, 380; D, 406; E, 420		Miles of Line, Consumers and Rates.....	81
Elora Rural Power District—Load in Horsepower.....	30	Cost of Power.....	178
Miles of Line, Consumers and Rates.....	81	Rural Operating.....	186
Cost of Power.....	178	Credit or Charge Account.....	198
Rural Operating.....	186	Sinking Fund.....	204
Credit or Charge Account.....	198	Details of Construction in.....	493
Sinking Fund.....	204		
Details of Construction in.....	493		
Embro—Load in Horsepower.....	26		
Cost of Power.....	168		
Credit or Charge Account.....	192		
Sinking Fund.....	202		
Municipal Accounts.....A, 291; B, 337			
Statements.....C, 380; D, 406; E, 420			
Equipment, Inspection of.....	118		
Erieau—Load in Horsepower.....	26		
Cost of Power.....	168		
Credit or Charge Account.....	192		
Sinking Fund.....	202		
Municipal Accounts.....A, 291; B, 337			
Statements.....C, 380; D, 406; E, 420			
Erie Beach—Load in Horsepower.....	27		
Cost of Power.....	168		
Credit or Charge Account.....	192		
Sinking Fund.....	202		
Municipal Accounts.....A, 291; B, 337			
Statements.....D, 406; E, 420			

F

Falconbridge—Contract with Mining Company.....	63
Fenelon Falls Gen. Sta.—Power Generated.....	8
Fenelon Falls Rural Power District—Load in Horsepower.....	44
Miles of Line, Consumers and Rates.....	84
Rural Line Construction.....	115
Cost of Power.....	226
Rural Operating.....	232
Credit or Charge Account.....	236
Sinking Fund.....	238
Details of Construction in.....	496

Fergus—Load in Horsepower.....	27
Municipal Work.....	59
Cost of Power.....	168
Credit or Charge Account.....	192
Sinking Fund.....	202
Municipal Accounts..... A, 292; B, 338	
Statements..... C, 380; D, 400; E, 420	
Financial Features of Undertaking.....	xxvii
Financial Statements—Seven Years,	
Comparative.....	xii
Financial Summaries.....	xvii
Finch—Load in Horsepower.....	43
Cost of Power.....	224
Credit or Charge Account.....	234
Sinking Fund.....	238
Municipal Accounts..... A, 322; B, 368	
Statements..... C, 381; D, 406; E, 420	
Fires Attributed to Electricity.....	129
Flesherton—Load in Horsepower.....	34
Cost of Power.....	206
Credit or Charge Account.....	216
Sinking Fund.....	222
Rural Lines.....	223
Municipal Accounts..... A, 313; B, 359	
Statements..... C, 381; D, 406; E, 420	
Flesherton Rural Power District—Load	
in Horsepower.....	36
Miles of Line, Consumers and Rates.....	83
Cost of Power.....	210
Rural Operating.....	214
Credit or Charge Account.....	218
Sinking Fund.....	222
Details of Construction in.....	495
Fonthill—Load in Horsepower.....	27
Cost of Power.....	168
Credit or Charge Account.....	192
Sinking Fund.....	202
Municipal Accounts..... A, 292; B, 338	
Statements..... C, 381; D, 408; E, 420	
Forest—Load in Horsepower.....	27
Cost of Power.....	168
Credit or Charge Account.....	192
Sinking Fund.....	202
Municipal Accounts..... A, 292; B, 338	
Statements..... C, 381; D, 408; E, 420	
Forest Rural Power District—Load in	
Horsepower.....	30
Miles of Line, Consumers and Rates.....	81
Cost of Power.....	178
Rural Operating.....	186
Credit or Charge Account.....	198
Sinking Fund.....	204
Details of Construction in.....	493
Forest Hill—Municipal Work.....	59
Forestry Work.....	11
Foreword.....	xxvii
Fort William—Load in Horsepower.....	48
Cost of Power.....	240
Credit or Charge Account.....	242
Sinking Fund.....	242
Municipal Accounts..... A, 329; B, 375	
Statements..... C, 381; D, 400; E, 420	
Fort William Rural Power District—	
Load in Horsepower.....	48
Miles of Line, Consumers and Rates.....	85
Cost of Power.....	240
Rural Operating.....	240
Credit or Charge Account.....	242
Sinking Fund.....	242
Details of Construction in.....	496

Frankford Gen. Sta.—Power Generated..	8
Funded Debt.....	156

G

Galetta Gen. Sta.—Power Generated.....	8
Galt—Load in Horsepower.....	27
Municipal Work.....	59
Cost of Power.....	168
Credit or Charge Account.....	192
Sinking Fund.....	202
Municipal Accounts..... A, 293; B, 339	
Statements..... C, 381; D, 400; E, 420	
Galt Rural Power District—Load in	
Horsepower.....	30
Miles of Line, Consumers and Rates.....	81
Cost of Power.....	178
Rural Operating.....	186
Credit or Charge Account.....	198
Sinking Fund.....	204
Details of Construction in.....	493
Gamebridge—Cost of Power and Rates	
for Service.....	420
Gatineau Power Company—Power Pur-	
chased.....	9
Agreements with.....	433, 443
Georgetown—Load in Horsepower.....	27
Cost of Power.....	168
Credit or Charge Account.....	192
Sinking Fund.....	202
Municipal Accounts..... A, 293; B, 339	
Statements..... C, 381; D, 400; E, 420	
Georgetown Rural Power District—	
Load in Horsepower.....	30
Miles of Line, Consumers and Rates.....	81
Cost of Power.....	178
Rural Operating.....	186
Credit or Charge Account.....	198
Sinking Fund.....	204
Details of Construction in.....	493
Georgian Bay System—Comparative	
Financial Statements, Seven Years.....	xii
Summary Statements Respecting Util-	
ities.....	xx
Generating Plants—Power Generated	8
Operation of.....	31
Generating Stations.....	32
Transformer and Distributing Stations	32
Diagram of Peak Loads.....	33
Transmission Lines.....	33
Diagram of Peak Loads.....	33
Loads of Municipalities.....	34
Rural Power District Loads.....	35
Municipal Work.....	60
Rural Power Districts, Miles of Line,	
Consumers and Rates.....	83
Electrical Engineering and Constr.....	97
Transmission Lines.....	105
Rural Line Construction.....	114
Operating and Income Accounts.....	144
Cost Distribution Summary.....	146
Fixed Assets.....	149
Power Accounts Receivable.....	154
Funded Debt.....	156
Renewals Reserves.....	158
Obsolescence and Contingencies Re-	
serve.....	160
Sinking Fund Reserves.....	162
Cost of Power Table.....	206
Rural Operating Report.....	214

Credit or Charge Table.....	216
Sinking Fund Equities.....	222
Rural Lines.....	223
Main Transmission Lines Data.....	488
Telephone Lines.....	490
Rural Power Districts, Summary of Construction in.....	492
Glencoe—Load in Horsepower.....	27
Municipal Work.....	59
Cost of Power.....	168
Credit or Charge Account.....	192
Sinking Fund.....	202
Municipal Accounts..... A, 293; B, 339	
Statements..... C, 381; D, 408; E, 420	
Glen Williams—Cost of Power and Rates for Service.....	420
Goderich—Load in Horsepower.....	27
Municipal Work.....	59
Cost of Power.....	168
Credit or Charge Account.....	192
Sinking Fund.....	202
Municipal Accounts..... A, 293; B, 339	
Statements..... C, 381; D, 402; E, 420	
Goderich Rural Power District—Load in Horsepower.....	30
Miles of Line, Consumers and Rates.....	81
Cost of Power.....	178
Rural Operating.....	186
Credit or Charge Account.....	198
Sinking Fund.....	204
Details of Construction in.....	493
Grand Valley—Load in Horsepower.....	34
Cost of Power.....	206
Credit or Charge Account.....	216
Sinking Fund.....	222
Municipal Accounts..... A, 313; B, 359	
Statements..... C, 381; D, 408; E, 420	
Grantham Rural Power District—Load in Horsepower.....	30
Miles of Line, Consumers and Rates.....	81
Cost of Power.....	178
Rural Operating.....	186
Credit or Charge Account.....	198
Sinking Fund.....	204
Details of Construction in.....	493
Granton—Load in Horsepower.....	27
Cost of Power.....	168
Credit or Charge Account.....	192
Sinking Fund.....	202
Municipal Accounts..... A, 293; B, 339	
Statements..... C, 381; D, 408; E, 420	
Gravenhurst—Load in Horsepower.....	34
Cost of Power.....	206
Credit or Charge Account.....	216
Sinking Fund.....	222
Municipal Accounts..... A, 313; B, 359	
Statements..... C, 381; D, 408; E, 420	
Gravenhurst Rural Power District—Load in Horsepower.....	36
Miles of Line, Consumers and Rates.....	83
Cost of Power.....	210
Rural Operating.....	214
Credit or Charge Account.....	218
Sinking Fund.....	222
Details of Construction in.....	495
Ground Tests.....	130
Guelph—Load in Horsepower.....	27
Cost of Power.....	168
Credit or Charge Account.....	192
Sinking Fund.....	202

Municipal Accounts..... A, 293; B, 339	
Statements..... C, 381; D, 400; E, 420	
Guelph Radial Railway—Operating Statistics.....	133
Funded Debt.....	156
Financial Statements.....	263
Balance Sheet.....	264
Operating and Income Account.....	266
Guelph Rural Power District—Load in Horsepower.....	30
Miles of Line, Consumers and Rates.....	81
Cost of Power.....	178
Rural Operating.....	186
Credit or Charge Account.....	198
Sinking Fund.....	204
Details of Construction in.....	493

H

Hagersville—Load in Horsepower.....	27
Cost of Power.....	168
Credit or Charge Account.....	192
Sinking Fund.....	202
Municipal Accounts..... A, 293; B, 339	
Statements..... C, 382; D, 408; E, 420	
Hague's Reach Gen. Sta.—Power Generated.....	8
Haldimand Rural Power District—Load in Horsepower.....	30
Miles of Line, Consumers and Rates.....	81
Cost of Power.....	178
Rural Operating.....	186
Credit or Charge Account.....	198
Sinking Fund.....	204
Details of Construction in.....	493
Hamilton—Load in Horsepower.....	27
Cost of Power.....	168
Credit or Charge Account.....	192
Sinking Fund.....	202
Municipal Accounts..... A, 293; B, 339	
Statements..... C, 382; D, 400; E, 420	
Hamilton and Dundas District—Former and Distributing Stations.....	94
Hamilton Street Railway Company, The—Operating Statistics.....	131
Financial Statements.....	259
Balance Sheet.....	260
Operating and Income Account.....	262
Hanna Chute Gen. Sta.—Power Generated.....	8
Hanover—Load in Horsepower.....	34
Cost of Power.....	206
Credit or Charge Account.....	216
Sinking Fund.....	222
Municipal Accounts..... A, 314; B, 360	
Statements..... C, 382; D, 402; E, 420	
Hanover Gen. Sta.—Power Generated.....	8
Harriston—Load in Horsepower.....	27
Cost of Power.....	168
Credit or Charge Account.....	192
Sinking Fund.....	202
Municipal Accounts..... A, 294; B, 340	
Statements..... C, 382; D, 408; E, 420	
Harriston Rural Power District—Load in Horsepower.....	30
Miles of Line, Consumers and Rates.....	81
Cost of Power.....	178
Rural Operating.....	186
Credit or Charge Account.....	198
Sinking Fund.....	204
Details of Construction in.....	493

Harrow—Load in Horsepower.....	27
Cost of Power.....	168
Credit or Charge Account.....	192
Sinking Fund.....	202
Municipal Accounts.....	A, 294; B, 340
Statements.....	C, 382; D, 408; E, 420
Harrow Rural Power District—Load in Horsepower.....	30
Miles of Line, Consumers and Rates.....	81
Cost of Power.....	178
Rural Operating.....	186
Credit or Charge Account.....	198
Sinking Fund.....	204
Details of Construction in.....	493
Hastings—Load in Horsepower.....	43
Cost of Power.....	224
Credit or Charge Account.....	234
Sinking Fund.....	238
Municipal Accounts.....	A, 322; B, 368
Statements.....	C, 382; D, 408; E, 420
Havelock—Load in Horsepower.....	43
Cost of Power.....	224
Credit or Charge Account.....	234
Sinking Fund.....	238
Municipal Accounts.....	A, 323; B, 369
Statements.....	C, 382; D, 408; E, 420
Hawkestone Rural Power District—Load in Horsepower.....	36
Miles of Line, Consumers and Rates.....	83
Cost of Power.....	210
Rural Operating.....	214
Credit or Charge Account.....	218
Sinking Fund.....	222
Details of Construction in.....	495
Heely Falls Gen. Sta.—Power Generated.....	8
Hensall—Load in Horsepower.....	27
Cost of Power.....	168
Credit or Charge Account.....	192
Sinking Fund.....	202
Municipal Accounts.....	A, 294; B, 340
Statements.....	C, 382; D, 408; E, 420
Hepworth—Load in Horsepower.....	34
Hespeler—Load in Horsepower.....	27
Cost of Power.....	168
Credit or Charge Account.....	192
Sinking Fund.....	202
Municipal Accounts.....	A, 294; B, 340
Statements.....	C, 382; D, 402; E, 420
High Falls Gen. Sta.—Power Generated.....	8
Highgate—Load in Horsepower.....	27
Cost of Power.....	168
Credit or Charge Account.....	192
Sinking Fund.....	202
Municipal Accounts.....	A, 294; B, 340
Statements.....	C, 382; D, 408; E, 420
Highway Lighting.....	111
Holstein—Load in Horsepower.....	34
Cost of Power.....	206
Credit or Charge Account.....	216
Sinking Fund.....	222
Municipal Accounts.....	A, 314; B, 360
Statements.....	C, 382; D, 408; E, 420
Holstein Rural Power District—Miles of Line, Consumers and Rates.....	83
Cost of Power.....	210
Rural Operating.....	214
Credit or Charge Account.....	218
Sinking Fund.....	222
Details of Construction in.....	495

Humberstone—Load in Horsepower.....	27
Cost of Power.....	168
Credit or Charge Account.....	192
Sinking Fund.....	202
Municipal Accounts.....	A, 295; B, 341
Statements.....	C, 382; D, 402; E, 420
Huntsville—Load in Horsepower.....	34
Cost of Power.....	206
Credit or Charge Account.....	216
Sinking Fund.....	222
Municipal Accounts.....	A, 314; B, 360
Statements.....	C, 382; D, 402; E, 420
Huntsville Rural Power District—Load in Horsepower.....	36
Miles of Line, Consumers and Rates.....	83
Cost of Power.....	210
Rural Operating.....	214
Credit or Charge Account.....	218
Sinking Fund.....	222
Details of Construction in.....	495
Huronian Company—Power Purchased.....	9
Hydraulic Construction.....	87
Hydro-Electric Generating Plants.....	8
Hydro-Electric Power Commission, The—Capital Investment.....	xvii
Reserves of.....	xvii
Financial Operations Explained.....	xxvii, 135
Balance Sheet.....	142
Operating and Income Accounts.....	144
Cost Distributions.....	146
Fixed Assets.....	148
Power Accounts Receivable.....	154
Funded Debt.....	156
Renewals Reserves.....	158
Obsolescence and Contingencies Reserve.....	160
Sinking Fund Reserves.....	162
Accounts with Provincial Treasurer.....	164
Hydro Radial Railways (See Electric Railways)	

I

Ingersoll—Load in Horsepower.....	27
Cost of Power.....	168
Credit or Charge Account.....	192
Sinking Fund.....	202
Municipal Accounts.....	A, 295; B, 341
Statements.....	C, 383; D, 402; E, 420
Ingersoll Rural Power District—Load in Horsepower.....	30
Miles of Line, Consumers and Rates.....	81
Cost of Power.....	178
Rural Operating.....	186
Credit or Charge Account.....	198
Sinking Fund.....	204
Details of Construction in.....	493
Innisfil Rural Power District—Load in Horsepower.....	36
Miles of Line, Consumers and Rates.....	83
Rural Line Construction.....	114
Cost of Power.....	210
Rural Operating.....	214
Credit or Charge Account.....	218
Sinking Fund.....	222
Details of Construction in.....	495
Inspection Work.....	117

Iroquois Rural Power District—Load in	
Horsepower.....	45
Miles of Line, Consumers and Rates....	85
Cost of Power.....	228
Rural Operating.....	232
Credit or Charge Account.....	236
Sinking Fund.....	238
Details of Construction in.....	496

J

Jarvis—Load in Horsepower.....	27
Cost of Power.....	168
Credit or Charge Account.....	192
Sinking Fund.....	202
Municipal Accounts.....A, 295; B, 341	
Statements.....C, 383; D, 408; E, 420	
Jordan Rural Power District—Load in	
Horsepower.....	30
Miles of Line, Consumers and Rates....	81
Cost of Power.....	180
Rural Operating.....	186
Credit or Charge Account.....	198
Sinking Fund.....	204
Details of Construction in.....	493

K

Kemptville—Load in Horsepower.....	43
Cost of Power.....	224
Credit or Charge Account.....	234
Sinking Fund.....	238
Municipal Accounts.....A, 323; B, 369	
Statements.....C, 383; D, 408; E, 420	
Kemptville Rural Power District—Load	
in Horsepower.....	45
Miles of Line, Consumers and Rates....	85
Cost of Power.....	228
Rural Operating.....	232
Credit or Charge Account.....	236
Sinking Fund.....	238
Details of Construction in.....	496
Keswick Rural Power District—Load in	
Horsepower.....	30
Miles of Line, Consumers and Rates....	81
Cost of Power.....	180
Rural Operating.....	186
Credit or Charge Account.....	198
Sinking Fund.....	204
Details of Construction in.....	493
Kincardine—Load in Horsepower.....	34
Cost of Power.....	206
Credit or Charge Account.....	216
Sinking Fund.....	222
Municipal Accounts.....A, 314; B, 360	
Statements.....C, 383; D, 402; E, 422	
Kingston—Load in Horsepower.....	43
Municipal Accounts.....A, 323; B, 369	
Statements.....C, 383; D, 400; E, 422	
Kingston Rural Power District—Load	
in Horsepower.....	45
Miles of Line, Consumers and Rates....	85
Rural Line Construction.....	115
Cost of Power.....	228
Rural Operating.....	232
Credit or Charge Account.....	236
Sinking Fund.....	238
Details of Construction in.....	496
Kingsville—Load in Horsepower.....	27
Cost of Power.....	168

Credit or Charge Account.....	192
Sinking Fund.....	202
Municipal Accounts.....A, 295; B, 341	
Statements.....C, 383; D, 402; E, 422	
Kingsville Rural Power District—Load	
in Horsepower.....	30
Miles of Line, Consumers and Rates....	81
Cost of Power.....	180
Rural Operating.....	186
Credit or Charge Account.....	198
Sinking Fund.....	204
Details of Construction in.....	493
Kirkfield—Load in Horsepower.....	34
Cost of Power.....	206
Credit or Charge Account.....	216
Sinking Fund.....	222
Municipal Accounts.....A, 314; B, 360	
Statements.....C, 383; D, 408; E, 422	
Kitchener—Load in Horsepower.....	27
Municipal Work.....	59
Cost of Power.....	168
Credit or Charge Account.....	192
Sinking Fund.....	202
Municipal Accounts.....A, 295; B, 341	
Statements.....C, 383; D, 400; E, 422	

L

Label Sales.....	127
Laboratories.....	117
Lakefield—Load in Horsepower.....	43
Cost of Power.....	224
Credit or Charge Account.....	234
Sinking Fund.....	238
Municipal Accounts.....A, 323; B, 369	
Statements.....C, 383; D, 408; E, 422	
Lakefield Rural Power District—Load in	
Horsepower.....	45
Miles of Line, Consumers and Rates....	85
Cost of Power.....	228
Rural Operating.....	232
Credit or Charge Account.....	236
Sinking Fund.....	238
Details of Construction in.....	496
Lambeth—Load in Horsepower.....	27
Cost of Power.....	168
Credit or Charge Account.....	192
Sinking Fund.....	202
Municipal Accounts.....A, 295; B, 341	
Statements.....C, 383; D, 408; E, 422	
Lamps.....	126
Lanark—Load in Horsepower.....	43
Cost of Power.....	224
Credit or Charge Account.....	234
Sinking Fund.....	238
Municipal Accounts.....A, 323; B, 369	
Statements.....C, 383; D, 408; E, 422	
Lancaster—Load in Horsepower.....	43
Cost of Power.....	224
Credit or Charge Account.....	234
Sinking Fund.....	238
Municipal Accounts.....A, 323; B, 369	
Statements.....C, 383; D, 408; E, 422	
Larder Lake Mining Camp—Service to.....	63
La Salle—Load in Horsepower.....	27
Cost of Power.....	168
Credit or Charge Account.....	192
Sinking Fund.....	202
Municipal Accounts.....A, 295; B, 341	
Statements.....C, 383; D, 408; E, 422	

Leamington—Load in Horsepower.....	27
Cost of Power.....	168
Credit or Charge Account.....	192
Sinking Fund.....	202
Municipal Accounts.....	A, 295; B, 341
Statements.....	C, 383; D, 402; E, 422
Leaside—Cost of Power and Rates for Service.....	422
Legal Proceedings.....	1
Lighting Service.....	124
Lindsay—Load in Horsepower.....	43
Municipal Work.....	61
Cost of Power.....	224
Credit or Charge Account.....	234
Sinking Fund.....	238
Municipal Accounts.....	A, 323; B, 369
Statements.....	C, 383; D, 402; E, 422
Lindsay Rural Power District—Load in Horsepower.....	45
Miles of Line, Consumers and Rates.....	85
Cost of Power.....	228
Rural Operating.....	232
Credit or Charge Account.....	236
Sinking Fund.....	238
Details of Construction in.....	496
Listowel—Load in Horsepower.....	27
Cost of Power.....	168
Credit or Charge Account.....	192
Sinking Fund.....	202
Municipal Accounts.....	A, 296; B, 342
Statements.....	C, 384; D, 402; E, 422
Listowel Rural Power District—Load in Horsepower.....	30
Miles of Line, Consumers and Rates.....	81
Cost of Power.....	180
Rural Operating.....	186
Credit or Charge Account.....	198
Sinking Fund.....	204
Details of Construction in.....	493
Load Conditions, General.....	6
London—Load in Horsepower.....	27
Cost of Power.....	168
Credit or Charge Account.....	192
Sinking Fund.....	202
Municipal Accounts.....	A, 296; B, 342
Statements.....	C, 384; D, 400; E, 422
London District—Transformer and Distributing Stations.....	96
London Railway Commission—Cost of Power.....	168
Credit or Charge Account.....	192
Sinking Fund.....	202
London Rural Power District—Load in Horsepower.....	30
Miles of Line, Consumers and Rates.....	81
Rural Line Construction.....	112
Cost of Power.....	180
Rural Operating.....	188
Credit or Charge Account.....	198
Sinking Fund.....	204
Details of Construction in.....	494
London Township—Load in Horsepower.....	27
Cost of Power.....	170
Credit or Charge Account.....	192
Sinking Fund.....	202
Municipal Accounts.....	A, 296; B, 342
Statements.....	C, 384; D, 408; E, 422

Long Branch—Load in Horsepower.....	27
Cost of Power.....	170
Credit or Charge Account.....	192
Sinking Fund.....	202
Municipal Accounts.....	A, 296; B, 342
Statements.....	C, 384; D, 402; E, 422
Lucan—Load in Horsepower.....	27
Cost of Power.....	170
Credit or Charge Account.....	192
Sinking Fund.....	202
Municipal Accounts.....	A, 296; B, 342
Statements.....	C, 384; D, 408; E, 422
Lucan Rural Power District—Load in Horsepower.....	30
Miles of Line, Consumers and Rates.....	81
Rural Line Construction.....	112
Cost of Power.....	180
Rural Operating.....	188
Credit or Charge Account.....	200
Sinking Fund.....	204
Details of Construction in.....	494
Lucknow—Load in Horsepower.....	34
Cost of Power.....	206
Credit or Charge Account.....	216
Sinking Fund.....	222
Municipal Accounts.....	A, 315; B, 361
Statements.....	C, 384; D, 408; E, 422
Lucknow Rural Power District—Miles of Line, Consumers and Rates.....	83
Cost of Power.....	210
Rural Operating.....	214
Credit or Charge Account.....	218
Sinking Fund.....	222
Details of Construction in.....	495
Lynden—Load in Horsepower.....	27
Cost of Power.....	170
Credit or Charge Account.....	192
Sinking Fund.....	202
Municipal Accounts.....	A, 297; B, 343
Statements.....	C, 384; D, 408; E, 422
Lynden Rural Power District—Load in Horsepower.....	30
Miles of Line, Consumers and Rates.....	81
Rural Line Construction.....	112
Cost of Power.....	180
Rural Operating.....	188
Credit or Charge Account.....	200
Sinking Fund.....	204
Details of Construction in.....	494

M

MacLaren Quebec Power Company—Power Purchased.....	9
Agreement with.....	481
MacLaren Company Limited, James—Agreements with.....	474
MacTier—Load in Horsepower.....	35
Madawaska District—Electrical Engineering and Constr.....	98
Madoc—Load in Horsepower.....	43
Cost of Power.....	224
Credit or Charge Account.....	234
Sinking Fund.....	238
Municipal Accounts.....	A, 324; B, 370
Statements.....	C, 384; D, 408; E, 422

Manitoulin District—Operation of.....	48	Matatchewan Townsite—Load in Horse-	
Rural Power District Loads.....	48	power.....	57
Manitoulin Pulp Company—Power Pur-		Distribution System Constructed.....	64
chased.....	9	Distribution System.....	116
Manitoulin Rural Power District—Load		Material and Equipment, Inspection of.....	118
in Horsepower.....	48	Matheson—Distribution System.....	116
Municipal Work.....	61	Maxville—Load in Horsepower.....	43
Miles of Line, Consumers and Rates.....	85	Cost of Power.....	224
Rural Operating.....	244	Credit or Charge Account.....	234
Credit or Charge Account.....	244	Sinking Fund.....	238
Details of Construction in.....	497	Municipal Accounts.....	A, 324; B, 370
Mariposa Rural Power District—Load		Statements.....	C, 384; D, 408; E, 422
in Horsepower.....	36	Maxville Rural Power District—Load in	
Miles of Line, Consumers and Rates.....	83	Horsepower.....	45
Cost of Power.....	210	Miles of Line, Consumers and Rates.....	85
Rural Operating.....	214	Cost of Power.....	228
Credit or Charge Account.....	218	Rural Operating.....	232
Sinking Fund.....	222	Credit or Charge Account.....	236
Details of Construction in.....	495	Sinking Fund.....	238
Markdale—Load in Horsepower.....	35	Details of Construction in.....	496
Cost of Power.....	206	McVittie Gen. Sta.—Power Generated....	* 8
Credit or Charge Account.....	216	Meaford—Load in Horsepower.....	35
Sinking Fund.....	222	Cost of Power.....	206
Municipal Accounts.....	A, 315; B, 361	Credit or Charge Account.....	216
Statements.....	C, 384; D, 408; E, 422	Sinking Fund.....	222
Markdale Rural Power District—Load		Municipal Accounts.....	A, 315; B, 361
in Horsepower.....	36	Statements.....	C, 384; D, 402; E, 422
Miles of Line, Consumers and Rates.....	83	Meaford Rural Power District—Miles	
Cost of Power.....	210	of Line, Consumers and Rates.....	83
Rural Operating.....	214	Cost of Power.....	210
Credit or Charge Account.....	218	Rural Operating.....	214
Sinking Fund.....	222	Credit or Charge Account.....	220
Details of Construction in.....	495	Sinking Fund.....	222
Markham—Load in Horsepower.....	27	Details of Construction in.....	495
Cost of Power.....	170	Medonte Rural Power District—Load in	
Credit or Charge Account.....	192	Horsepower.....	36
Sinking Fund.....	202	Miles of Line, Consumers and Rates.....	83
Municipal Accounts.....	A, 297; B, 343	Cost of Power.....	210
Statements.....	C, 384; D, 408; E, 422	Rural Operating.....	214
Markham Rural Power District—Load		Credit or Charge Account.....	220
in Horsepower.....	30	Sinking Fund.....	223
Miles of Line, Consumers and Rates.....	81	Details of Construction in.....	495
Rural Line Construction.....	112	Merlin—Load in Horsepower.....	27
Cost of Power.....	180	Cost of Power.....	170
Rural Operating.....	188	Credit or Charge Account.....	192
Credit or Charge Account.....	200	Sinking Fund.....	202
Sinking Fund.....	204	Municipal Accounts.....	A, 297; B, 343
Details of Construction in.....	494	Statements.....	C, 384; D, 408; E, 422
Marmora—Load in Horsepower.....	43	Merlin Rural Power District—Load in	
Cost of Power.....	224	Horsepower.....	30
Credit or Charge Account.....	234	Miles of Line, Consumers and Rates.....	81
Sinking Fund.....	238	Cost of Power.....	180
Municipal Accounts.....	A, 324; B, 370	Rural Operating.....	188
Statements.....	C, 384; D, 408; E, 422	Credit or Charge Account.....	200
Martintown—Load in Horsepower.....	43	Sinking Fund.....	204
Cost of Power.....	224	Details of Construction in.....	494
Credit or Charge Account.....	234	Merritton—Load in Horsepower.....	27
Sinking Fund.....	238	Municipal Work.....	59
Municipal Accounts.....	A, 324; B, 370	Cost of Power.....	170
Statements.....	C, 384; D, 408; E, 422	Credit or Charge Account.....	192
Martintown Rural Power District—		Sinking Fund.....	202
Load in Horsepower.....	45	Municipal Accounts.....	A, 297; B, 343
Miles of Line, Consumers and Rates.....	85	Statements.....	C, 385; D, 402; E, 422
Cost of Power.....	228	Meter Department and Repair Shops,	
Rural Operating.....	232	Belleville—Operation of.....	43
Credit or Charge Account.....	236	Myersburg Gen. Sta.—Power Generated	8
Sinking Fund.....	238		
Details of Construction in.....	496		

Midland—Load in Horsepower.....	35
Cost of Power.....	206
Credit or Charge Account.....	216
Sinking Fund.....	222
Municipal Accounts..... A, 315; B, 361	
Statements..... C, 385; D, 402; E, 422	
Midland Rural Power District—Load in Horsepower.....	36
Miles of Line, Consumers and Rates.....	83
Rural Line Construction.....	114
Cost of Power.....	210
Rural Operating.....	214
Credit or Charge Account.....	220
Sinking Fund.....	223
Details of Construction in.....	495
Mildmay—Load in Horsepower.....	35
Cost of Power.....	206
Credit or Charge Account.....	216
Sinking Fund.....	222
Municipal Accounts..... A, 315; B, 361	
Statements..... C, 385; D, 408; E, 422	
Millbrook—Load in Horsepower.....	43
Millbrook Rural Power District—Load in Horsepower.....	45
Millbrook Rural Power District—Miles of Line, Consumers and Rates.....	85
Cost of Power.....	228
Rural Operating.....	232
Credit or Charge Account.....	236
Sinking Fund.....	238
Details of Construction in.....	496
Milton—Load in Horsepower.....	27
Cost of Power.....	170
Credit or Charge Account.....	192
Sinking Fund.....	202
Rural Lines.....	205
Municipal Accounts..... A, 297; B, 343	
Statements..... C, 385; D, 408; E, 422	
Milton Rural Power District—Load in Horsepower.....	30
Miles of Line, Consumers and Rates.....	81
Cost of Power.....	180
Rural Operating.....	188
Credit or Charge Account.....	200
Sinking Fund.....	204
Details of Construction in.....	494
Milverton—Load in Horsepower.....	27
Cost of Power.....	170
Credit or Charge Account.....	192
Sinking Fund.....	202
Municipal Accounts..... A, 297; B, 343	
Statements..... C, 385; D, 408; E, 422	
Milverton Rural Power District—Load in Horsepower.....	30
Miles of Line, Consumers and Rates.....	81
Cost of Power.....	180
Rural Operating.....	188
Credit or Charge Account.....	200
Sinking Fund.....	204
Details of Construction in.....	494
Mimico—Load in Horsepower.....	27
Cost of Power.....	170
Credit or Charge Account.....	192
Sinking Fund.....	202
Municipal Accounts..... A, 297; B, 343	
Statements..... C, 385; D, 402; E, 422	

Mimico Asylum—Load in Horsepower....	27
Cost of Power.....	174
Credit or Charge Account.....	196
Sinking Fund.....	203
Minden Township, Agreement Approved	1
Minden Rural Power District—Miles of Line, Consumers and Rates.....	83
Mitchell—Load in Horsepower.....	27
Cost of Power.....	170
Credit or Charge Account.....	194
Sinking Fund.....	203
Municipal Accounts..... A, 297; B, 343	
Statements..... C, 385; D, 408; E, 422	
Mitchell Rural Power District—Load in Horsepower.....	30
Miles of Line, Consumers and Rates....	81
Cost of Power.....	180
Rural Operating.....	188
Credit or Charge Account.....	200
Sinking Fund.....	204
Details of Construction in.....	494
Mount Brydges—Load in Horsepower... 27	
Cost of Power.....	170
Credit or Charge Account.....	194
Sinking Fund.....	203
Municipal Accounts..... A, 298; B, 344	
Statements..... C, 385; D, 408; E, 422	
Mount Forest—Load in Horsepower.....	35
Cost of Power.....	206
Credit or Charge Account.....	216
Sinking Fund.....	222
Municipal Accounts..... A, 315; B, 361	
Statements..... C, 385; D, 408; E, 422	
Moorefield—Load in Horsepower.....	27
Cost of Power.....	170
Credit or Charge Account.....	194
Sinking Fund.....	203
Municipal Accounts..... A, 298; B, 344	
Statements..... C, 385; D, 408; E, 422	
Municipal Work.....	58
Municipal Electric Utilities—Reserves of.....	xvii
Summary Statements re.....	xx
Muskoka District—Electrical Engineering and Constr.....	97

N

Napanee—Load in Horsepower.....	43
Cost of Power.....	224
Credit or Charge Account.....	234
Sinking Fund.....	238
Municipal Accounts..... A, 325; B, 371	
Statements..... C, 385; D, 402; E, 422	
Napanee Rural Power District—Load in Horsepower.....	45
Miles of Line, Consumers and Rates....	85
Cost of Power.....	228
Rural Operating.....	232
Credit or Charge Account.....	236
Sinking Fund.....	238
Details of Construction in.....	496

Nepean Rural Power District—Load in	
Horsepower.....	45
Miles of Line, Consumers and Rates.....	85
Cost of Power.....	228
Rural Operating.....	232
Credit or Charge Account.....	236
Sinking Fund.....	238
Details of Construction in.....	496
Neustadt—Load in Horsepower..... 35	
Cost of Power.....	206
Credit or Charge Account.....	216
Sinking Fund.....	222
Municipal Accounts.....A, 315; B, 361	
Statements.....C, 385; D, 410; E, 422	
Neustadt Rural Power District—Miles	
of Line, Consumers and Rates.....	83
Cost of Power.....	210
Rural Operating.....	214
Credit or Charge Account.....	220
Sinking Fund.....	223
Details of Construction in.....	495
Newburgh—Load in Horsepower..... 44	
Newbury—Load in Horsepower..... 27	
Cost of Power.....	170
Credit or Charge Account.....	194
Sinking Fund.....	203
Municipal Accounts.....A, 298; B, 344	
Statements.....C, 385; D, 410; E, 424	
Newcastle—Load in Horsepower..... 44	
Newcastle Rural Power District—Load	
in Horsepower.....	45
Miles of Line, Consumers and Rates.....	85
Cost of Power.....	228
Rural Operating.....	232
Credit or Charge Account.....	236
Sinking Fund.....	238
Details of Construction in.....	496
New Hamburg—Load in Horsepower..... 27	
Cost of Power.....	170
Credit or Charge Account.....	194
Sinking Fund.....	203
Municipal Accounts.....A, 298; B, 344	
Statements.....C, 385; D, 410; E, 424	
Newmarket—Load in Horsepower..... 27	
Newmarket Rural Power District—Load	
in Horsepower.....	30
Miles of Line, Consumers and Rates.....	81
Cost of Power.....	180
Rural Operating.....	188
Credit or Charge Account.....	200
Sinking Fund.....	204
Details of Construction in.....	494
New Toronto—Load in Horsepower..... 27	
Cost of Power.....	170
Credit or Charge Account.....	194
Sinking Fund.....	203
Municipal Accounts.....A, 298; B, 344	
Statements.....C, 385; D, 402; E, 424	
Niagara District—Transformer and Dis-	
tributing Stations.....	94
Niagara Falls—Load in Horsepower..... 27	
Cost of Power.....	170
Credit or Charge Account.....	194
Sinking Fund.....	203
Municipal Accounts.....A, 299; B, 345	
Statements.....C, 386; D, 400; E, 424	

Niagara-on-the-Lake—Load in Horse-	
power.....	27
Cost of Power.....	170
Credit or Charge Account.....	194
Sinking Fund.....	203
Municipal Accounts.....A, 299; B, 345	
Statements.....C, 386; D, 410; E, 424	
Niagara River—Generating Stations on.. 92	
Niagara Rural Power District—Load in	
Horsepower.....	30
Miles of Line, Consumers and Rates.....	81
Cost of Power.....	180
Rural Operating.....	188
Credit or Charge Account.....	200
Sinking Fund.....	204
Details of Construction in.....	494
Niagara System—Comparative Finan-	
cial Statements, Seven Years.....	xii
Summary Statements respecting utili-	
ties.....	xx
Power Resources and Loads.....	xxxi
Generating Plants—Power Generated..	8
Generating Stations, Operation of.....	16
Diagram of Peak Loads.....	18
Supplementary Diagram of Peak	
Loads.....	21
Total Kilowatt-hour Load.....	23
Rural Power District Loads.....	29
Municipal Work.....	58
Engineering Assistance to Municipa-	
lities.....	58
Rural Power Districts—Miles of Line,	
Consumers and Rates.....	80
Hydraulic Construction.....	87
Electrical Engineering and Constr.....	92
Generating and Step-up Transformer	
Stations.....	92
Transmission Lines.....	103
Rural Line Construction.....	112
Distribution Feeder Construction.....	114
Operating and Income Accounts.....	144
Cost Distribution Summary.....	146
Fixed Assets.....	148
Power Accounts Receivable.....	154
Funded Debt.....	156
Renewals Reserves.....	158
Obsolescence and Contingencies Re-	
serve.....	160
Sinking Fund Reserves.....	162
Cost of Power Table.....	166
Rural Operating Report.....	186
Credit or Charge Table.....	190
Sinking Fund Equities.....	202
Rural Lines.....	205
Main Transmission Lines Data.....	488
Telephone Lines.....	490
Rural Power Districts, Summary of	
Construction in.....	492
Nipigon Township—Load in Horsepower 48	
Cost of Power.....	240
Credit or Charge Account.....	242
Sinking Fund.....	242
Municipal Accounts.....A, 329; B, 375	
Statements.....C, 386; D, 410; E, 424	
Nipissing—Load in Horsepower..... 57	

Nipissing District (See Northern Ontario Properties)	
Power Generated	8
Operation of	49
Diagram of Peak Loads	49
Generating Stations—Operation of	49
Distributing Stations	50
Transmission Lines	50
Water Storage	50
Loads of Municipalities	57
Rural Power District Loads	57
Municipal Work	62
Miles of Line, Consumers and Rates	85
Operating and Income Accounts	252
Fixed Assets	254
Renewals Reserves	256
Obsolescence and Contingencies Reserves	256
Nipissing Gen. Sta.—Power Generated	8
Nipissing Rural Power District—Operating Report	246
Credit or Charge Account	246
Sinking Fund Equities	248
North Bay—Load in Horsepower	57
North Bay Rural Power District—Load in Horsepower	57
Miles of Line, Consumers and Rates	85
Rural Operating	246
Credit or Charge Account	246
Sinking Fund	248
Details of Construction in	497
Northern Ontario—Expansion in	vi
Northern Ontario Power Company—Power Purchased	9
Northern Ontario Properties—Consult also Abitibi, Espanola, Nipissing, Patricia, St. Joseph and Sudbury Districts.	
Right-of-way	5
Generating Plants—Power Generated	8
Operation of	49
Diagram of Peak Loads	49
Loads of Municipalities	57
Rural Power District Loads	57
Municipal Work	62
Rural Power Districts, Miles of Line, Consumers and Rates	85
Hydraulic Construction	88
Electrical Engineering and Constr.	99
Transmission Lines	107
Distribution Feeder Construction	116
Municipal Distribution Systems	116
Funded Debt	156
Account with Provincial Treasurer	164
Balance Sheet	250
Operating and Income Accounts	252
Fixed Assets	254
Renewals Reserves	256
Obsolescence and Contingencies Reserves	256
Main Transmission Lines Data	488
Rural Power Districts, Summary of Construction in	492
Telephone Lines	490
North York Township—Cost of Power	174
Credit or Charge Account	196
Sinking Fund	203
Municipal Accounts	A, 299; B, 345
Statements	C, 386; D, 410; E, 424

Norwich—Load in Horsepower	28
Municipal Work	59
Cost of Power	170
Credit or Charge Account	194
Sinking Fund	203
Municipal Accounts	A, 299; B, 345
Statements	C, 386; D, 410; E, 424
Norwich Rural Power District—Load in Horsepower	30
Miles of Line, Consumers and Rates	82
Cost of Power	180
Rural Operating	188
Credit or Charge Account	200
Sinking Fund	204
Details of Construction in	494
Norwood—Load in Horsepower	44
Cost of Power	224
Credit or Charge Account	234
Sinking Fund	238
Municipal Accounts	A, 325; B, 371
Statements	C, 386; D, 410; E, 424
Norwood Rural Power District—Load in Horsepower	45
Miles of Line, Consumers and Rates	85
Cost of Power	228
Rural Operating	232
Credit or Charge Account	236
Sinking Fund	238
Details of Construction in	496
Nottawasaga Rural Power District—Load in Horsepower	36
Miles of Line, Consumers and Rates	84
Cost of Power	210
Rural Operating	214
Credit or Charge Account	220
Sinking Fund	223
Details of Construction in	495

O

Oil, Reconditioning of	121
Oil Springs—Load in Horsepower	28
Cost of Power	170
Credit or Charge Account	194
Sinking Fund	203
Municipal Accounts	A, 299; B, 345
Statements	C, 386; D, 410; E, 424
Oil Springs Rural Power District—Load in Horsepower	30
Miles of Line, Consumers and Rates	82
Cost of Power	180
Rural Operating	188
Credit or Charge Account	200
Sinking Fund	204
Details of Construction in	494
Omeme—Load in Horsepower	44
Municipal Accounts	A, 325; B, 371
Statements	C, 386; D, 410; E, 424
Omeme Rural Power District—Load in Horsepower	45
Miles of Line, Consumers and Rates	85
Cost of Power	228
Rural Operating	232
Credit or Charge Account	236
Sinking Fund	238
Details of Construction in	496
Ontario Agricultural College—Load in Horsepower	28

Ontario Central Reformatory—Load in Horsepower.....	28
Ontario Power Plant—Power Generated	17
Ontario Power Gen. Sta.—Operation of	18
Ontario Reformatory—Cost of Power.....	174
Credit or Charge Account.....	196
Sinking Fund.....	203
Operating and Income Accounts—Re Hydro-Electric Power Commission.....	144
Re Northern Ontario Properties.....	252
Re Hamilton Street Railway.....	262
Re Guelph Radial Railway.....	263
Operating Conditions, General.....	6
Operating Expenses, Systems, etc.....	144
Operating Revenues, Systems, etc.....	144
Operation Costs Reduced.....	vi
Orangeville—Load in Horsepower.....	35
Cost of Power.....	206
Credit or Charge Account.....	216
Sinking Fund.....	222
Municipal Accounts.....	A, 315; B, 361
Statements.....	C, 386; D, 402; E, 424
Orangeville Rural Power District—Load in Horsepower.....	36
Miles of Line, Consumers and Rates	84
Cost of Power.....	210
Rural Operating.....	214
Credit or Charge Account.....	220
Sinking Fund.....	223
Details of Construction in.....	495
Orillia Water, Light & Power Commission—Power Purchased.....	9
Oroño—Load in Horsepower.....	44
Municipal Work.....	61
Oshawa—Load in Horsepower.....	44
Cost of Power.....	224
Credit or Charge Account.....	234
Sinking Fund.....	238
Municipal Accounts.....	A, 325; B, 371
Statements.....	C, 386; D, 400; E, 424
Oshawa Rural Power District—Load in Horsepower.....	45
Miles of Line, Consumers and Rates.....	85
Rural Line Construction.....	115
Cost of Power.....	228
Rural Operating.....	232
Credit or Charge Account.....	236
Sinking Fund.....	238
Details of Construction in.....	496
Ottawa—Load in Horsepower.....	44
Cost of Power.....	224
Credit or Charge Account.....	234
Sinking Fund.....	238
Municipal Accounts.....	A, 325; B, 371
Statements.....	C, 387; D, 400; E, 424
Ottawa District—Diagram of Peak Loads.....	39
Ottawa & Hull Power & Manufacturing Company—Power Purchased.....	9
Ottawa Valley Power Company—Power Purchased.....	9
Agreements with.....	461
Otonabee Watershed—Operating Data.....	41
Otterville—Load in Horsepower.....	28
Cost of Power.....	170
Credit or Charge Account.....	194
Sinking Fund.....	203
Municipal Accounts.....	A, 299; B, 345
Statements.....	C, 387; D, 410; E, 424

Owen Sound—Load in Horsepower.....	35
Cost of Power.....	206
Credit or Charge Account.....	216
Sinking Fund.....	222
Municipal Accounts.....	A, 316; B, 362
Statements.....	C, 387; D, 400; E, 424
Owen Sound Rural Power District—	
Load in Horsepower.....	36
Miles of Line, Consumers and Rates....	84
Rural Line Construction.....	114
Cost of Power.....	210
Rural Operating.....	21
Credit or Charge Account.....	220
Sinking Fund.....	223
Details of Construction in.....	495
P	
Paint, Investigation of.....	121
Paisley—Load in Horsepower.....	35
Cost of Power.....	206
Credit or Charge Account.....	216
Sinking Fund.....	222
Municipal Accounts.....	A, 316; B, 362
Statements.....	C, 387; D, 410; E, 424
Palmerston—Load in Horsepower.....	28
Municipal Work.....	59
Cost of Power.....	170
Credit or Charge Account.....	194
Sinking Fund.....	203
Municipal Accounts.....	A, 299; B, 345
Statements.....	C, 387; D, 410; E, 424
Palmerston Rural Power District—Load	
in Horsepower.....	30
Miles of Line, Consumers and Rates....	82
Cost of Power.....	180
Rural Operating.....	188
Credit or Charge Account.....	200
Sinking Fund.....	204
Details of Construction in.....	494
Paris—Load in Horsepower.....	28
Cost of Power.....	170
Credit or Charge Account.....	194
Sinking Fund.....	203
Municipal Accounts.....	A, 299; B, 345
Statements.....	C, 387; D, 402; E, 424
Parkhill—Load in Horsepower.....	28
Cost of Power.....	170
Credit or Charge Account.....	194
Sinking Fund.....	203
Municipal Accounts.....	A, 300; B, 346
Statements.....	C, 387; D, 410; E, 424
Patricia District (See also Northern	
Ontario Properties)	
Power Generated.....	8
Operation of.....	55
Diagram of Peak Loads.....	55
Municipal Work.....	100
Electrical Engineering and Constr.....	64
Transmission Lines.....	108
Operating and Income Accounts.....	253
Fixed Assets.....	255
Renewals Reserves.....	257
Obsolescence and Contingencies Re-	
serves.....	257

Peak Loads, Consult Graphs in Section

II	
All Systems Combined.....	7
Penetanguishene—Load in Horsepower..	35
Cost of Power.....	206
Credit or Charge Account.....	216
Sinking Fund.....	222
Municipal Accounts.....	A, 316; B, 362
Statements.....	C, 387; D, 402; E, 424
Perth—Load in Horsepower.....	44
Cost of Power.....	224
Credit or Charge Account.....	234
Sinking Fund.....	238
Municipal Accounts.....	A, 325; B, 371
Statements.....	C, 387; D, 402; E, 424
Perth Rural Power District—Load in	
Horsepower.....	45
Miles of Line, Consumers and Rates....	85
Cost of Power.....	228
Rural Operating.....	232
Credit or Charge Account.....	236
Sinking Fund.....	238
Details of Construction in.....	496
Peterborough—Load in Horsepower.....	44
Cost of Power.....	224
Credit or Charge Account.....	234
Sinking Fund.....	238
Municipal Accounts.....	A, 325; B, 371
Statements.....	C, 387; D, 400; E, 424
Peterborough Rural Power District—	
Load in Horsepower.....	45
Miles of Line, Consumers and Rates....	85
Cost of Power.....	230
Rural Operating.....	232
Credit or Charge Account.....	236
Sinking Fund.....	238
Details of Construction in.....	496
Petrolia—Load in Horsepower.....	28
Cost of Power.....	170
Credit or Charge Account.....	194
Sinking Fund.....	203
Municipal Accounts.....	A, 300; B, 346
Statements.....	C, 388; D, 402; E, 424
Petrolia Rural Power District—Load in	
Horsepower.....	30
Miles of Line, Consumers and Rates....	82
Cost of Power.....	180
Rural Operating.....	188
Credit or Charge Account.....	200
Sinking Fund.....	204
Details of Construction in.....	494
Picton—Load in Horsepower.....	44
Cost of Power.....	224
Credit or Charge Account.....	234
Sinking Fund.....	238
Municipal Accounts.....	A, 326; B, 372
Statements.....	C, 388; D, 402; E, 424
Plattsville—Load in Horsepower.....	28
Cost of Power.....	170
Credit or Charge Account.....	194
Sinking Fund.....	203
Municipal Accounts.....	A, 300; B, 346
Statements.....	C, 388; D, 410; E, 424

Point Edward—Load in Horsepower.....	28
Cost of Power.....	170
Credit or Charge Account.....	194
Sinking Fund.....	203
Municipal Accounts.....	A, 300; B, 346
Statements.....	C, 388; D, 410; E, 424
Populations. Consult Statements "A",	
"B", "C" or "D"	
Port Arthur—Load in Horsepower.....	48
Cost of Power.....	240
Credit or Charge Account.....	242
Sinking Fund.....	242
Municipal Accounts.....	A, 329; B, 375
Statements.....	C, 388; D, 400; E, 424
Port Arthur Rural Power District—	
Load in Horsepower.....	48
Miles of Line, Consumers and Rates....	85
Cost of Power.....	240
Rural Operating.....	240
Credit or Charge Account.....	242
Sinking Fund.....	242
Details of Construction in.....	496
Port Carling—Load in Horsepower.....	35
Port Colborne—Load in Horsepower.....	28
Cost of Power.....	170
Credit or Charge Account.....	194
Sinking Fund.....	203
Municipal Accounts.....	A, 300; B, 346
Statements.....	C, 388; D, 402; E, 424
Port Credit—Load in Horsepower.....	28
Cost of Power.....	170
Credit or Charge Account.....	194
Sinking Fund.....	203
Municipal Accounts.....	A, 301; B, 347
Statements.....	C, 388; D, 410; E, 424
Poreupine Mining Camp—Contracts for	
Power Supply.....	63
Port Dalhousie—Load in Horsepower.....	28
Cost of Power.....	170
Credit or Charge Account.....	194
Sinking Fund.....	203
Municipal Accounts.....	A, 301; B, 347
Statements.....	C, 388; D, 410; E, 424
Port Dover—Load in Horsepower.....	28
Cost of Power.....	170
Credit or Charge Account.....	194
Sinking Fund.....	203
Municipal Accounts.....	A, 301; B, 347
Statements.....	C, 388; D, 410; E, 424
Port Elgin—Load in Horsepower.....	35
Cost of Power.....	206
Credit or Charge Account.....	216
Sinking Fund.....	222
Municipal Accounts.....	A, 316; B, 362
Statements.....	C, 388; D, 410; E, 424
Port Hope—Load in Horsepower.....	44
Cost of Power.....	224
Credit or Charge Account.....	234
Sinking Fund.....	238
Municipal Accounts.....	A, 326; B, 372
Statements.....	C, 388; D, 402; E, 424
Port McNicholl—Load in Horsepower....	35
Cost of Power.....	206
Credit or Charge Account.....	216
Sinking Fund.....	222
Municipal Accounts.....	A, 316; B, 362
Statements.....	C, 388; D, 410; E, 424

Port Perry—Load in Horsepower.....	35
Cost of Power.....	206
Credit or Charge Account.....	216
Sinking Fund.....	222
Municipal Accounts.....A, 317; B, 363	
Statements.....C, 388; D, 410; E, 424	
Port Perry Rural Power District—Load	
in Horsepower.....	36
New Transformer Station.....	60
Miles of Line, Consumers and Rates....	84
Rural Line Construction.....	114
Cost of Power.....	212
Rural Operating.....	214
Credit or Charge Account.....	220
Sinking Fund.....	223
Details of Construction in.....	495
Port Rowan—Load in Horsepower.....	28
Cost of Power.....	170
Credit or Charge Account.....	194
Sinking Fund.....	203
Municipal Accounts.....A, 301; B, 347	
Statements.....C, 388; D, 410; E, 424	
Port Stanley—Load in Horsepower.....	28
Cost of Power.....	170
Credit or Charge Account.....	194
Sinking Fund.....	203
Municipal Accounts.....A, 301; B, 347	
Statements.....C, 388; D, 410; E, 424	
Powassan—Load in Horsepower.....	57
Powassan Rural Power District—Load	
in Horsepower.....	57
Miles of Line, Consumers and Rates....	85
Rural Operating.....	246
Credit or Charge Account.....	246
Sinking Fund.....	248
Details of Construction in.....	497
Power Commission Act.....	1
Power Commission Amendment Act, 1935, The.....	483
Power Generated and Purchased, Table of.....	8
Power Service, Retail—Statistics re, Consult Statement "D".....	396
Rates for, Consult Statement "E".....	414
Prescott—Load in Horsepower.....	44
Cost of Power.....	224
Credit or Charge Account.....	234
Sinking Fund.....	238
Municipal Accounts.....A, 326; B, 372	
Statements.....C, 388; D, 402; E, 424	
Prescott Rural Power District—Load in	
Horsepower.....	45
Miles of Line, Consumers and Rates....	85
Cost of Power.....	230
Rural Operating.....	232
Credit or Charge Account.....	236
Sinking Fund.....	238
Details of Construction in.....	496
Preston—Load in Horsepower.....	28
Municipal Work.....	60
Cost of Power.....	170
Credit or Charge Account.....	194
Sinking Fund.....	203
Municipal Accounts.....A, 301; B, 347	
Statements.....C, 389; D, 402; E, 424	
Preston District—Transformer and Dis- tributing Stations.....	96

Preston Rural Power District—Load in	
Horsepower.....	30
Miles of Line, Consumers and Rates....	82
Cost of Power.....	182
Rural Operating.....	188
Credit or Charge Account.....	200
Sinking Fund.....	204
Details of Construction in.....	494
Priceville—Load in Horsepower.....	35
Cost of Power.....	208
Credit or Charge Account.....	216
Sinking Fund.....	222
Municipal Accounts.....A, 317; B, 363	
Statements.....C, 389; D, 410; E, 426	
Primary Loads—All Systems.....	10
Primary Power—Distribution of, to Systems.....	x
Primary and Secondary Power—Distri- bution of, to Systems.....	xi
Princeton—Load in Horsepower.....	28
Cost of Power.....	170
Credit or Charge Account.....	194
Sinking Fund.....	203
Municipal Accounts.....A, 301; B, 347	
Statements.....C, 389; D, 410; E, 426	
Prison Brick Yard—Cost of Power.....	174
Credit or Charge Account.....	196
Sinking Fund.....	203
Properties.....	1
Purchased Power Contracts, Act Re- specting.....	431

Q

Queenston—Load in Horsepower.....	28
Cost of Power.....	170
Credit or Charge Account.....	194
Sinking Fund.....	203
Municipal Accounts.....A, 301; B, 347	
Statements.....C, 389; D, 410; E, 426	
Queenston-Chippawa Plant—Power Generated.....	8
Queenston Gen. Sta. Operation of.....	16
Quebec Contracts.....	vii
Legislative Action re.....	vii

R

Radial Railways (See also Electric Rail- ways)	
Funded Debt.....	156
Radio Communication.....	15
Radio Interference.....	123
Railway Right-of-way—Sales of.....	2
Ramore—Mining Properties supplied.....	63
Distribution System.....	116
Ranney Falls Gen. Sta.—Power Gener- ated.....	8
Rat Rapids Gen. Sta.—Power Generated	8
Rates for Rural Electrical Service.....	80
Street Lighting. Consult Statement "C".....	376
To Consumers, Consult Statement "E".....	414
Real Estate Operations.....	2
Reforestation.....	13
Refunding Provisions.....	xi
Regulations, Infractions of.....	130

Renfrew Rural Power District—Miles of Line, Consumers and Rates.....	85
Rural Line Construction.....	115
Cost of Power.....	230
Rural Operating.....	232
Credit or Charge Account.....	236
Sinking Fund.....	238
Details of Construction in.....	496
Research.....	117
Reserves of Commission.....	xvii
Of Municipal Electric Utilities.....	xvii
Reserves, Twenty-Five Years' Record.....	xxix
Revenue of Commission.....	xviii
Of Municipal Electric Utilities.....	xix
Re-wiring of Obsolete Installations.....	130
Richmond—Load in Horsepower.....	44
Cost of Power.....	224
Credit or Charge Account.....	234
Sinking Fund.....	238
Municipal Accounts.....	A, 326; B, 372
Statements.....	C, 389; D, 410; E, 426
Richmond Hill—Load in Horsepower.....	28
Cost of Power.....	170
Credit or Charge Account.....	194
Sinking Fund.....	203
Municipal Accounts.....	A, 302; B, 348
Statements.....	C, 389; D, 410; E, 426
Rideau District—Electrical Engineering and Constr.....	98
Transmission Lines.....	106
Rideau Power Company—Power Pur- chased.....	9
Ridgetown—Load in Horsepower.....	28
Cost of Power.....	170
Credit or Charge Account.....	194
Sinking Fund.....	203
Municipal Accounts.....	A, 302; B, 348
Statements.....	C, 389; D, 402; E, 426
Ridgetown Rural Power District—Load in Horsepower.....	30
Miles of Line, Consumers and Rates.....	82
Cost of Power.....	182
Rural Operating.....	188
Credit or Charge Account.....	200
Sinking Fund.....	204
Details of Construction in.....	494
Right-of-Way.....	1
Ripley—Load in Horsepower.....	35
Cost of Power.....	208
Credit or Charge Account.....	216
Sinking Fund.....	222
Municipal Accounts.....	A, 317; B, 363
Statements.....	C, 389; D, 410; E, 426
Ripley Rural Power District—Load in Horsepower.....	36
Miles of Line, Consumers and Rates.....	84
Cost of Power.....	212
Rural Operating.....	214
Credit or Charge Account.....	220
Sinking Fund.....	223
Details of Construction in.....	495
Riverside—Load in Horsepower.....	28
Cost of Power.....	170
Credit or Charge Account.....	194
Sinking Fund.....	203
Municipal Accounts.....	A, 302; B, 348
Statements.....	C, 389; D, 402; E, 426

Rockwood—Load in Horsepower.....	28
Cost of Power.....	170
Credit or Charge Account.....	194
Sinking Fund.....	203
Municipal Accounts.....	A, 302; B, 348
Statements.....	C, 389; D, 410; E, 426
Rodney—Load in Horsepower.....	28
Cost of Power.....	172
Credit or Charge Account.....	194
Sinking Fund.....	203
Municipal Accounts.....	A, 302; B, 348
Statements.....	C, 389; D, 410; E, 426
Root River Transportation Route— Hydraulic Construction.....	90
Ross Township, Agreement Approved....	1
Rosseau—Load in Horsepower.....	35
Cost of Power.....	208
Credit or Charge Account.....	216
Sinking Fund.....	222
Municipal Accounts.....	A, 317; B, 363
Statements.....	C, 389; D, 410; E, 426
Rural Electrical Service—Summary Statements re.....	xviii
In Ontario.....	65
Uses for Electricity.....	66
Recent Benefits to Consumers.....	68
Free Service.....	69
Maximum Consumption Charge.....	69
Low Rates for Long-Hour Users.....	70
Provincial Government Aid to.....	70, 75
Service Charges.....	68, 71
Loans to Consumers.....	71
Extensions Approved During Year.....	76
Summary of Line Extensions.....	77
Construction.....	78
Rates for.....	78
Contracts with Consumers.....	79
Miles of Line, Consumers and Rates....	80
Classification of Services for.....	86
Rural Lines, Design of.....	110
Rural Power, General Statement re Legislative Grants.....	xvi
Rural Power Districts, Extensions Con- structed.....	3
Classification of Services for.....	86
Capital Expenditures and Grants.....	153
Summary of Construction in.....	492
Details of Construction in.....	493
Rural Systems.....	103
Russell—Load in Horsepower.....	44
Cost of Power.....	224
Credit or Charge Account.....	234
Sinking Fund.....	238
Municipal Accounts.....	A, 326; B, 372
Statements.....	C, 389; D, 410; E, 426
S	
St. Catharines—Load in Horsepower.....	28
Cost of Power.....	172
Credit or Charge Account.....	194
Sinking Fund.....	203
Municipal Accounts.....	A, 303; B, 349
Statements.....	C, 389; D, 400; E, 426

St. Clair Beach—Load in Horsepower.....	28	Saltfleet Rural Power District—Load in	
Cost of Power.....	172	Horsepower.....	30
Credit or Charge Account.....	194	Miles of Line, Consumers and Rates.....	82
Sinking Fund.....	203	Rural Line Construction.....	112
Municipal Accounts.....A, 303; B, 349		Cost of Power.....	182
Statements.....D, 410; E, 426		Rural Operating.....	188
St. George—Load in Horsepower.....	28	Credit or Charge Account.....	200
Cost of Power.....	172	Sinking Fund.....	204
Credit or Charge Account.....	194	Details of Construction in.....	494
Sinking Fund.....	203	Sandwich—Load in Horsepower.....	28
Municipal Accounts.....A, 303; B, 349		Cost of Power.....	172
Statements.....C, 389; D, 410; E, 426		Credit or Charge Account.....	194
St. Jacobs—Load in Horsepower.....	28	Sinking Fund.....	203
Cost of Power.....	172	Municipal Accounts.....A, 303; B, 349	
Credit or Charge Account.....	194	Statements.....C, 390; D, 402; E, 426	
Sinking Fund.....	203	Sandwich Rural Power District—Load	
Municipal Accounts.....A, 303; B, 349		in Horsepower.....	31
Statements.....C, 389; D, 410; E, 426		Miles of Line, Consumers and Rates.....	82
St. Jacobs Rural Power District—Load		Cost of Power.....	182
in Horsepower.....	30	Rural Operating.....	188
Miles of Line, Consumers and Rates.....	82	Credit or Charge Account.....	200
Rural Line Construction.....	112	Sinking Fund.....	204
Cost of Power.....	182	Details of Construction in.....	494
Rural Operating.....	188	Sandwich, Windsor and Amherstburg	
Credit or Charge Account.....	200	Railway Company—Cost of Power.....	174
Sinking Fund.....	204	Sinking Fund.....	203
Details of Construction in.....	494	Sarnia—Load in Horsepower.....	28
St. Joseph District (See also Northern		Cost of Power.....	172
Ontario Properties)		Credit or Charge Account.....	194
Power Generated.....	8	Sinking Fund.....	203
Operation of.....	56	Municipal Accounts.....A, 303; B, 349	
Municipal Work.....	64	Statements.....C, 390; D, 400; E, 426	
Hydraulic Construction.....	90	Sarnia Rural Power District—Load in	
Electrical Engineering and Constr.....	101	Horsepower.....	31
Operating and Income Accounts.....	253	Miles of Line, Consumers and Rates.....	82
Fixed Assets.....	255	Cost of Power.....	182
St. Lawrence District—Transmission		Rural Operating.....	188
Lines.....	107	Credit or Charge Account.....	200
St. Marys—Load in Horsepower.....	28	Sinking Fund.....	204
Municipal Work.....	60	Details of Construction in.....	494
Cost of Power.....	172	Sauble Rural Power District—Load in	
Credit or Charge Account.....	194	Horsepower.....	36
Sinking Fund.....	203	Miles of Line, Consumers and Rates.....	84
Municipal Accounts.....A, 303; B, 349		Cost of Power.....	212
Statements.....C, 389; D, 402; E, 426		Rural Operating.....	214
St. Marys Rural Power District—Load		Credit or Charge Account.....	220
in Horsepower.....	30	Sinking Fund.....	223
Miles of Line, Consumers and Rates.....	82	Details of Construction in.....	495
Cost of Power.....	182	Scarboro Rural Power District—Load in	
Rural Operating.....	188	Horsepower.....	31
Credit or Charge Account.....	200	Miles of Line, Consumers and Rates.....	82
Sinking Fund.....	204	Cost of Power.....	182
Details of Construction in.....	494	Rural Operating.....	188
St. Thomas—Load in Horsepower.....	28	Credit or Charge Account.....	200
Municipal Work.....	60	Sinking Fund.....	204
Cost of Power.....	172	Details of Construction in.....	494
Credit or Charge Account.....	194	Scarboro Township—Load in Horse-	
Sinking Fund.....	203	power.....	28
Municipal Accounts.....A, 303; B, 349		Cost of Power.....	172
Statements.....C, 390; D, 400; E, 426		Credit or Charge Account.....	194
St. Thomas District—Transformer and		Sinking Fund.....	203
Distributing Stations.....	96	Municipal Accounts.....A, 304; B, 350	
St. Thomas Rural Power District—Load		Statements.....C, 390; D, 410; E, 426	
in Horsepower.....	30	Scott Township, Agreement Approved.....	1
Miles of Line, Consumers and Rates.....	82	Seaforth—Load in Horsepower.....	28
Cost of Power.....	182	Cost of Power.....	172
Rural Operating.....	188	Credit or Charge Account.....	194
Credit or Charge Account.....	200	Sinking Fund.....	203
Sinking Fund.....	204	Municipal Accounts.....A, 304; B, 350	
Details of Construction in.....	494	Statements.....C, 390; D, 410; E, 426	

Seaforth Rural Power District—Load in Horsepower.....	31	Southampton Gen. Sta.—Power Generated.....	8
Miles of Line, Consumers and Rates.....	82	South Falls Gen. Sta.—Power Generated.....	8
Cost of Power.....	182	Sparrow Lake Rural Power District—Load in Horsepower.....	36
Rural Operating.....	188	Miles of Line, Consumers and Rates.....	84
Credit or Charge Account.....	200	Cost of Power.....	212
Sinking Fund.....	204	Rural Operating.....	214
Details of Construction in.....	494	Credit or Charge Account.....	220
Service Charges. Consult Statement "E".....	414	Sinking Fund.....	223
In Rural Power Districts.....	68, 80	Details of Construction in.....	495
Seymour District—Electrical Engineering and Constr.....	97	Specifications, Revisions of.....	124
Transmission Lines.....	105	Summary of.....	127
Seymour Gen. Sta.—Power Generated.....	8	Springfield—Load in Horsepower.....	28
Shelburne—Load in Horsepower.....	35	Cost of Power.....	172
Cost of Power.....	208	Credit or Charge Account.....	194
Credit or Charge Account.....	216	Sinking Fund.....	203
Sinking Fund.....	222	Municipal Accounts.....	A, 304; B, 350
Municipal Accounts.....	A, 317; B, 363	Statements.....	C, 391; D, 412; E, 426
Statements.....	C, 390; D, 410; E, 426	Stamford Rural Power District—Load in Horsepower.....	31
Shelburne Rural Power District—Load in Horsepower.....	36	Miles of Line, Consumers and Rates.....	82
Miles of Line, Consumers and Rates.....	84	Cost of Power.....	182
Cost of Power.....	212	Rural Operating.....	188
Rural Operating.....	214	Credit or Charge Account.....	200
Credit or Charge Account.....	220	Sinking Fund.....	204
Sinking Fund.....	223	Details of Construction in.....	494
Details of Construction in.....	495	Stamford Township—Load in Horsepower.....	28
Sidney Gen. Sta.—Power Generated.....	8	Cost of Power.....	172
Simcoe—Load in Horsepower.....	28	Credit or Charge Account.....	194
Municipal Work.....	60	Sinking Fund.....	203
Cost of Power.....	172	Municipal Accounts.....	A, 304; B, 350
Credit or Charge Account.....	194	Statements.....	C, 391; D, 412; E, 426
Sinking Fund.....	203	Statement "A" Utility Balance Sheets.....	284
Municipal Accounts.....	A, 304; B, 350	Statement "B" Utility Operating Reports.....	330
Statements.....	C, 390; D, 402; E, 426	Statement "C" Street Lighting.....	376
Simcoe Rural Power District—Load in Horsepower.....	31	Statement "D" Statistics re Utilities' Consumers.....	396
Miles of Line, Consumers and Rates.....	82	Statement "E" Rates to Utilities' Consumers.....	414
Rural Line Construction.....	112	Stayner—Load in Horsepower.....	35
Cost of Power.....	182	Cost of Power.....	208
Rural Operating.....	188	Credit or Charge Account.....	218
Credit or Charge Account.....	200	Sinking Fund.....	222
Sinking Fund.....	204	Municipal Accounts.....	A, 317; B, 363
Details of Construction in.....	494	Statements.....	C, 391; D, 412; E, 426
Sinking Fund Maintained.....	ix	Steam Plant, Hamilton—Power Generated.....	8
Sites, Purchase of.....	2	Stinson Gen. Sta.—Power Generated.....	8
Smiths Falls—Load in Horsepower.....	44	Stirling—Load in Horsepower.....	44
Cost of Power.....	224	Cost of Power.....	226
Credit or Charge Account.....	234	Credit or Charge Account.....	234
Sinking Fund.....	238	Sinking Fund.....	238
Municipal Accounts.....	A, 327; B, 373	Municipal Accounts.....	A, 327; B, 373
Statements.....	C, 391; D, 402; E, 426	Statements.....	C, 391; D, 412; E, 426
Smiths Falls Rural Power District—Load in Horsepower.....	45	Stirling Rural Power District—Load in Horsepower.....	45
Miles of Line, Consumers and Rates.....	85	Miles of Line, Consumers and Rates.....	85
Rural Line Construction.....	115	Cost of Power.....	230
Cost of Power.....	230	Rural Operating.....	232
Rural Operating.....	232	Credit or Charge Account.....	236
Credit or Charge Account.....	236	Sinking Fund.....	238
Sinking Fund.....	238	Details of Construction in.....	496
Details of Construction in.....	496	Sophiasburg Township, Agreement Approved.....	1
Sophiasburg Township, Agreement Approved.....	1	Southampton—Load in Horsepower.....	35
Southampton—Load in Horsepower.....	35	Cost of Power.....	208
Cost of Power.....	208	Credit or Charge Account.....	216
Credit or Charge Account.....	216	Sinking Fund.....	222
Sinking Fund.....	222	Municipal Accounts.....	A, 317; B, 363
Municipal Accounts.....	A, 317; B, 363	Statements.....	C, 391; D, 412; E, 426
Statements.....	C, 391; D, 412; E, 426	Storrington Township, Agreement Approved.....	1

Thamesville—Load in Horsepower.....	28
Cost of Power.....	172
Credit or Charge Account.....	196
Sinking Fund.....	203
Municipal Accounts..... A, 306; B, 352	
Statements..... C, 392; D, 412; E, 426	
Thamesville Rural Power District—Load	
in Horsepower.....	31
Miles of Line, Consumers and Rates.....	82
Cost of Power.....	182
Rural Operating.....	188
Credit or Charge Account.....	200
Sinking Fund.....	204
Details of Construction in.....	494
Thedford—Load in Horsepower.....	28
Cost of Power.....	172
Credit or Charge Account.....	196
Sinking Fund.....	203
Municipal Accounts..... A, 306; B, 352	
Statements..... C, 392; D, 412; E, 426	
Thorndale—Load in Horsepower.....	28
Cost of Power.....	172
Credit or Charge Account.....	196
Sinking Fund.....	203
Municipal Accounts..... A, 306; B, 352	
Statements..... C, 392; D, 412; E, 426	
Thornton—Load in Horsepower.....	35
Cost of Power.....	208
Credit or Charge Account.....	218
Sinking Fund.....	222
Municipal Accounts..... A, 318; B, 364	
Statements..... C, 392; D, 412; E, 426	
Thornton Rural Power District—Load	
in Horsepower.....	36
Miles of Line, Consumers and Rates.....	84
Cost of Power.....	212
Rural Operating.....	214
Credit or Charge Account.....	220
Sinking Fund.....	223
Details of Construction in.....	495
Thorold—Load in Horsepower.....	28
Cost of Power.....	172
Credit or Charge Account.....	196
Sinking Fund.....	203
Municipal Accounts..... A, 306; B, 352	
Statements..... C, 392; D, 402; E, 428	
Thunder Bay System—Comparative	
Financial Statements, Seven Years.....	xiv
Summary Statements Respecting Util-	
ities.....	xxi
Generating Plants—Power Generated.....	8
Diagram of Stations.....	45
Operation of.....	46
Diagram of Peak Loads.....	46
Supplementary Diagram of Peak	
Loads.....	47
Loads of Municipalities.....	48
Rural Power District Loads.....	48
Municipal Work.....	61
Rural Power Districts—Miles of Line,	
Consumers and Rates.....	85
Electrical Engineering and Constr.....	98
Transformer Stations.....	98
Operating and Income Accounts.....	144
Cost Distribution Summary.....	146
Fixed Assets.....	151
Power Accounts Receivable.....	154
Renewals Reserves.....	159

Obsolescence and Contingencies Re-	
serves.....	161
Sinking Fund Reserves.....	163
Cost of Power Table.....	240
Rural Operating Report.....	240
Credit or Charge Table.....	242
Sinking Fund Equities.....	242
Main Transmission Lines Data.....	488
Telephone Lines.....	490
Rural Power Districts, Summary of	
Construction in.....	492
Tilbury—Load in Horsepower.....	28
Cost of Power.....	172
Credit or Charge Account.....	196
Sinking Fund.....	203
Municipal Accounts..... A, 306; B, 352	
Statements..... C, 392; D, 412; E, 428	
Tilbury Rural Power District—Load in	
Horsepower.....	31
Miles of Line, Consumers and Rates.....	82
Rural Line Construction.....	112
Cost of Power.....	184
Rural Operating.....	188
Credit or Charge Account.....	200
Sinking Fund.....	204
Details of Construction in.....	494
Tillsonburg—Load in Horsepower.....	29
Municipal Work.....	60
Cost of Power.....	172
Credit or Charge Account.....	196
Sinking Fund.....	203
Municipal Accounts..... A, 307; B, 353	
Statements..... C, 392; D, 402; E, 428	
Tillsonburg Rural Power District—Load	
in Horsepower.....	31
Miles of Line, Consumers and Rates.....	82
Cost of Power.....	184
Rural Operating.....	188
Credit or Charge Account.....	200
Sinking Fund.....	204
Details of Construction in.....	494
Timmins—New Transformer Station.....	63
Toronto—Load in Horsepower.....	29
Cost of Power.....	172
Credit or Charge Account.....	196
Sinking Fund.....	203
Municipal Accounts..... A, 307; B, 353	
Statements..... C, 392; D, 400; E, 428	
Toronto and York District—Trans-	
former and Distributing Stations.....	94
Toronto Power Gen. Station—Power	
Generated.....	8
Operation of.....	20
Toronto Township—Load in Horsepower	
Cost of Power.....	172
Credit or Charge Account.....	196
Sinking Fund.....	203
Municipal Accounts..... A, 307; B, 353	
Statements..... C, 392; D, 412; E, 428	
Toronto Transportation Commission—	
Cost of Power.....	174
Credit or Charge Account.....	196
Sinking Fund.....	203
Tottenham—Load in Horsepower.....	35
Cost of Power.....	208
Credit or Charge Account.....	218
Sinking Fund.....	222
Municipal Accounts..... A, 318; B, 364	
Statements..... C, 392; D, 412; E, 428	

Trafalgar Township—Cost of Power.....	172
Credit or Charge Account.....	196
Sinking Fund.....	203
Trafalgar Twp. Area 1—Municipal Ac- counts.....	A, 307; B, 353
Statements.....	D, 412; E, 428
Trafalgar Twp. Area 2—Municipal Ac- counts.....	A, 307; B, 353
Statements.....	D, 412; E, 428
Transformation.....	24
Transmission Lines, Right-of-way, etc....	3
Transmission Line Materials, Inspection of.....	118
Transmission Line Records.....	488
Transmission Lines, Total Mileage of.....	488
Vibration Studies.....	122
Transmission Systems.....	103
Trenton—Load in Horsepower.....	44
Cost of Power.....	226
Credit or Charge Account.....	234
Sinking Fund.....	238
Municipal Accounts.....	A, 327; B, 373
Statements.....	C, 392; D, 402; E, 428
Trenton Rural Power District—Load in Horsepower.....	45
Miles of Line, Consumers and Rates...	85
Cost of Power.....	230
Rural Operating.....	232
Credit or Charge Account.....	236
Sinking Fund.....	238
Details of Construction in.....	496
Trethewey Falls Gen. Sta.—Power Gen- erated.....	8
Troubles, Investigation of.....	120
Tweed—Load in Horsepower.....	44
Cost of Power.....	226
Credit or Charge Account.....	234
Sinking Fund.....	238
Municipal Accounts.....	A, 327; B, 373
Statements.....	C, 392; D, 412; E, 428
U	
Utterson Rural Power District—Load in Horsepower.....	36
Miles of Line, Consumers and Rates...	84
Cost of Power.....	212
Rural Operating.....	214
Credit or Charge Account.....	220
Sinking Fund.....	223
Details of Construction in.....	495
Uxbridge—Load in Horsepower.....	35
Cost of Power.....	208
Credit or Charge Account.....	218
Sinking Fund.....	222
Municipal Accounts.....	A, 318; B, 364
Statements.....	C, 392; D, 412; E, 428
Uxbridge Rural Power District—Load in Horsepower.....	36
Miles of Line, Consumers and Rates...	84
Cost of Power.....	212
Rural Operating.....	214
Credit or Charge Account.....	220
Sinking Fund.....	223
Details of Construction in.....	495

V

Victoria Harbour—Load in Horsepower..	35
Cost of Power.....	208
Credit or Charge Account.....	218
Sinking Fund.....	222
Municipal Accounts.....	A, 319; B, 365
Statements.....	C, 393; D, 412; E, 428
Victoria Road—Load in Horsepower.....	35

W

Walkerton—Load in Horsepower.....	35
Cost of Power.....	208
Credit or Charge Account.....	218
Sinking Fund.....	222
Municipal Accounts.....	A, 319; B, 365
Statements.....	C, 393; D, 402; E, 428
Walkerton Gen. Sta.—Power Generated	8
Walkerville—Load in Horsepower.....	29
Cost of Power.....	172
Credit or Charge Account.....	196
Sinking Fund.....	203
Municipal Accounts.....	A, 307; B, 353
Statements.....	C, 393; D, 402; E, 428
Wallaceburg—Load in Horsepower.....	29
Cost of Power.....	172
Credit or Charge Account.....	196
Sinking Fund.....	203
Municipal Accounts.....	A, 307; B, 353
Statements.....	C, 393; D, 402; E, 428
Wallaceburg Rural Power District— Load in Horsepower.....	31
Miles of Line, Consumers and Rates...	82
Rural Line Construction.....	114
Cost of Power.....	184
Rural Operating.....	188
Credit or Charge Account.....	200
Sinking Fund.....	204
Details of Construction in.....	494
Walsingham Rural Power District— Load in Horsepower.....	31
Miles of Line, Consumers and Rates...	82
Rural Line Construction.....	114
Cost of Power.....	184
Rural Operating.....	188
Credit or Charge Account.....	200
Sinking Fund.....	204
Details of Construction in.....	494
Walton Rural Power District—Load in Horsepower.....	31
Miles of Line, Consumers and Rates...	82
Cost of Power.....	184
Rural Operating.....	188
Credit or Charge Account.....	200
Sinking Fund.....	204
Details of Construction in.....	494
Wardsville—Load in Horsepower.....	29
Cost of Power.....	172
Credit or Charge Account.....	196
Sinking Fund.....	203
Municipal Accounts.....	A, 308; B, 354
Statements.....	C, 393; D, 412; E, 428
Warkworth—Load in Horsepower.....	44
Cost of Power.....	226
Credit or Charge Account.....	234
Sinking Fund.....	238
Municipal Accounts.....	A, 327; B, 373
Statements.....	C, 393; D, 412; E, 428

Warkworth Rural Power District—Load		Waubashene—Load in Horsepower.....	35
in Horsepower.....	45	Cost of Power.....	208
Miles of Line, Consumers and Rates.....	85	Credit or Charge Account.....	218
Cost of Power.....	230	Sinking Fund.....	222
Rural Operating.....	232	Municipal Accounts.....	A, 319; B, 365
Credit or Charge Account.....	236	Statements.....	C, 393; D, 412; E, 428
Sinking Fund.....	238		
Details of Construction in.....	496	Welland—Load in Horsepower.....	29
Wasaga Beach Rural Power District—		Cost of Power.....	172
Load in Horsepower.....	36	Credit or Charge Account.....	196
Miles of Line, Consumers and Rates.....	84	Sinking Fund.....	203
Cost of Power.....	212	Municipal Accounts.....	A, 309; B, 355
Rural Operating.....	214	Statements.....	C, 393; D, 400; E, 428
Credit or Charge Account.....	220	Rural Lines.....	205
Sinking Fund.....	223		
Details of Construction in.....	495	Welland Rural Power District—Load in	
Wasdells Falls Gen. Sta.—Power Gener-		Horsepower.....	31
ated.....	8	Miles of Line, Consumers and Rates.....	83
Wasdells District—Electrical Engin-		Rural Line Construction.....	114
eering and Constr.....	97	Cost of Power.....	184
Waterdown—Load in Horsepower.....	29	Rural Operating.....	188
Cost of Power.....	172	Credit or Charge Account.....	200
Credit or Charge Account.....	196	Sinking Fund.....	204
Sinking Fund.....	203	Details of Construction in.....	494
Municipal Accounts.....	A, 308; B, 354	Welland Ship Canal—Power Purchased..	9
Statements.....	C, 393; D, 412; E, 428		
Waterdown Rural Power District—Load		Wellesley—Load in Horsepower.....	29
in Horsepower.....	31	Cost of Power.....	172
Miles of Line, Consumers and Rates.....	82	Credit or Charge Account.....	196
Cost of Power.....	184	Sinking Fund.....	203
Rural Operating.....	188	Municipal Accounts.....	A, 309; B, 355
Credit or Charge Account.....	200	Statements.....	C, 393; D, 412; E, 428
Sinking Fund.....	204		
Details of Construction in.....	494	Wellington—Load in Horsepower.....	44
Waterford—Load in Horsepower.....	29	Cost of Power.....	226
Cost of Power.....	172	Credit or Charge Account.....	234
Credit or Charge Account.....	196	Sinking Fund.....	238
Sinking Fund.....	203	Municipal Accounts.....	A, 327; B, 373
Municipal Accounts.....	A, 308; B, 354	Statements.....	C, 393; D, 412; E, 428
Statements.....	C, 393; D, 412; E, 428		
Waterford Rural Power District—Load		Wellington Rural Power District—Load	
in Horsepower.....	31	in Horsepower.....	45
Miles of Line, Consumers and Rates.....	82	Miles of Line, Consumers and Rates.....	85
Cost of Power.....	184	Rural Line Construction.....	115
Rural Operating.....	188	Cost of Power.....	230
Credit or Charge Account.....	200	Rural Operating.....	232
Sinking Fund.....	204	Credit or Charge Account.....	236
Details of Construction in.....	494	Sinking Fund.....	238
Waterloo—Load in Horsepower.....	29	Municipal Accounts.....	A, 309; B, 355
Cost of Power.....	172	Statements.....	C, 394; D, 412; E, 428
Credit or Charge Account.....	196		
Sinking Fund.....	203	West Lorne—Load in Horsepower.....	29
Municipal Accounts.....	A, 308; B, 354	Cost of Power.....	174
Statements.....	C, 393; D, 402; E, 428	Credit or Charge Account.....	196
Watford—Load in Horsepower.....	29	Sinking Fund.....	203
Cost of Power.....	172	Municipal Accounts.....	A, 309; B, 355
Credit or Charge Account.....	196	Statements.....	C, 394; D, 412; E, 428
Sinking Fund.....	203		
Municipal Accounts.....	A, 308; B, 354	Westmeath Township, Agreement Ap-	
Statements.....	C, 393; D, 412; E, 428	proved.....	1
Watford Rural Power District—Load in			
Horsepower.....	31	Weston—Load in Horsepower.....	29
Miles of Line, Consumers and Rates.....	82	Cost of Power.....	174
Cost of Power.....	184	Credit or Charge Account.....	196
Rural Operating.....	188	Sinking Fund.....	203
Credit or Charge Account.....	200	Municipal Accounts.....	A, 309; B, 355
Sinking Fund.....	204	Statements.....	C, 394; D, 402; E, 428
Details of Construction in.....	494		
		Westport—Load in Horsepower.....	44
		Cost of Power.....	226
		Credit or Charge Account.....	234
		Sinking Fund.....	238
		Municipal Accounts.....	A, 327; B, 373
		Statements.....	C, 394; D, 412; E, 428

Wheatley—Load in Horsepower.....	29
Cost of Power.....	174
Credit or Charge Account.....	196
Sinking Fund.....	203
Municipal Accounts.....A, 309; B, 355	
Statements.....C, 394; D, 412; E, 428	
Whitby—Load in Horsepower.....	44
Cost of Power.....	226
Credit or Charge Account.....	234
Sinking Fund.....	238
Municipal Accounts.....A, 327; B, 373	
Statements.....C, 394; D, 402; E, 428	
Warton—Load in Horsepower.....	35
Cost of Power.....	208
Credit or Charge Account.....	218
Sinking Fund.....	222
Municipal Accounts.....A, 319; B, 365	
Statements.....C, 394; D, 412; E, 428	
Williamsburg—Load in Horsepower.....	44
Cost of Power.....	226
Credit or Charge Account.....	234
Sinking Fund.....	238
Municipal Accounts.....A, 328; B, 374	
Statements.....C, 394; D, 412; E, 428	
Williamsburg Rural Power District—	
Load in Horsepower.....	45
Miles of Line, Consumers and Rates....	85
Cost of Power.....	230
Rural Operating.....	232
Credit or Charge Account.....	236
Sinking Fund.....	238
Details of Construction in.....	496
Winchester—Load in Horsepower.....	44
Cost of Power.....	226
Credit or Charge Account.....	236
Sinking Fund.....	238
Municipal Accounts.....A, 328; B, 374	
Statements.....C, 394; D, 412; E, 428	
Windermere—Load in Horsepower.....	35
Cost of Power.....	208
Credit or Charge Account.....	218
Sinking Fund.....	222
Municipal Accounts.....A, 319; B, 365	
Statements.....C, 394; D, 412; E, 428	
Windsor—Load in Horsepower.....	29
Municipal Work.....	60
Cost of Power.....	174
Credit or Charge Account.....	196
Sinking Fund.....	203
Municipal Accounts.....A, 309; B, 355	
Statements.....C, 394; D, 400; E, 428	
Wingham—Load in Horsepower.....	35
Cost of Power.....	208
Credit or Charge Account.....	218
Sinking Fund.....	222
Municipal Accounts.....A, 319; B, 365	
Statements.....C, 394; D, 402; E, 428	
Woodbridge—Load in Horsepower.....	29
Cost of Power.....	174
Credit or Charge Account.....	196
Sinking Fund.....	203
Municipal Accounts.....A, 309; B, 355	
Statements.....C, 394; D, 412; E, 428	

Woodbridge Rural Power District—	
Load in Horsepower.....	31
Miles of Line, Consumers and Rates....	83
Cost of Power.....	184
Rural Operating.....	188
Credit or Charge Account.....	200
Sinking Fund.....	204
Details of Construction in.....	494
Wood Poles, Treatment of.....	120
Woodstock—Load in Horsepower.....	29
Cost of Power.....	174
Credit or Charge Account.....	196
Sinking Fund.....	203
Municipal Accounts.....A, 309; B, 355	
Statements.....C, 394; D, 400; E, 428	
Woodstock Rural Power District—Load	
in Horsepower.....	31
Miles of Line, Consumers and Rates....	83
Rural Line Construction.....	114
Cost of Power.....	184
Rural Operating.....	188
Credit or Charge Account.....	200
Sinking Fund.....	204
Details of Construction in.....	494
Woodville—Load in Horsepower.....	35
Cost of Power.....	208
Credit or Charge Account.....	218
Sinking Fund.....	222
Municipal Accounts.....A, 319; B, 365	
Statements.....C, 394; D, 412; E, 428	
Wroxeter Rural Power District—Load	
in Horsepower.....	36
Miles of Line, Consumers and Rates....	84
Cost of Power.....	212
Rural Operating.....	214
Credit or Charge Account.....	220
Sinking Fund.....	223
Details of Construction in.....	495
Wyoming—Load in Horsepower.....	29
Cost of Power.....	174
Credit or Charge Account.....	196
Sinking Fund.....	203
Municipal Accounts.....A, 310; B, 356	
Statements.....C, 394; D, 412; E, 428	

Y

York, East, Township (See East York Township)

York, North, Township (See North York Township)

York Township—
Municipal Accounts.....A, 310; B, 356
Cost of Power and Rates for Service...428

Z

Zurich—Load in Horsepower.....	29
Cost of Power.....	174
Credit or Charge Account.....	196
Sinking Fund.....	203
Municipal Accounts.....A, 310; B, 356	
Statements.....C, 394; D, 412; E, 428	

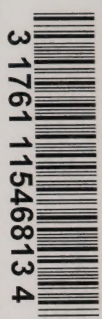
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